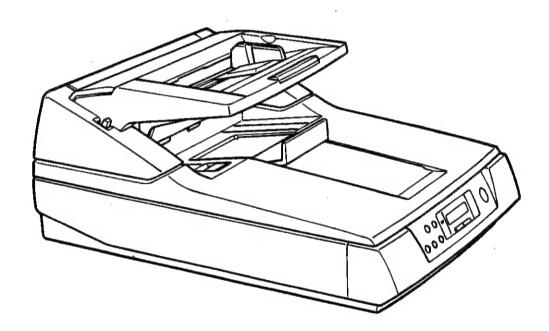
ORDER NO. KM79901330C0 G29

Service Manual

Scanner

KV-S6045W KV-S6045WU KX-S6040W KX-S6040WU



⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

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SECTION 1 GENERAL PRECAUTIONS

1.1 Safety Precautions

- 1) Before servicing, unplug the power cord to prevent electrical shock hazard.
- 2) When replacing parts, use only manufacturer's recommended components for safety.
- 3) Check the condition of power cord. Replace if wear or if damage is evident.
- 4) After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.
- 5) Before returning the serviced equipment to the customer, perform the following electrical tests to prevent a shock hazard.

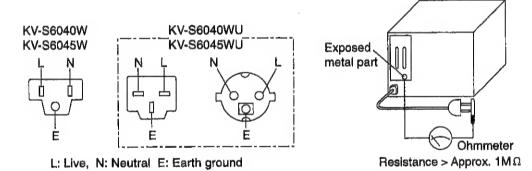
1.2 Electrical Tests

- 1) Unplug the power cord and check for continuity between the earth ground connection on the plug and the metal cabinet. There should be zero ohm resistance found.
- 2) With the unit unplugged, short the AC Live-Neutral of the plug with a jumper wire.
- 3) Turn ON the power switch.
- 4) Measure the resistance value with an ohmmeter between the jumpered AC plug and each exposed metal cabinet part, such as screwheads, etc.

Note: Some exposed parts may be isolated from the chassis by design. They read infinity.

5) If the measurement is less than 1 $M\Omega$, a possibility for electric shock may exit.

Note: This hazardous condition must be corrected before the unit is returned to the end user.



1.3 For Service Technicians

ICs and LSIs are vulnerable to static electricity.

When repairing, the following precautions will help to prevent recurring malfunctions.

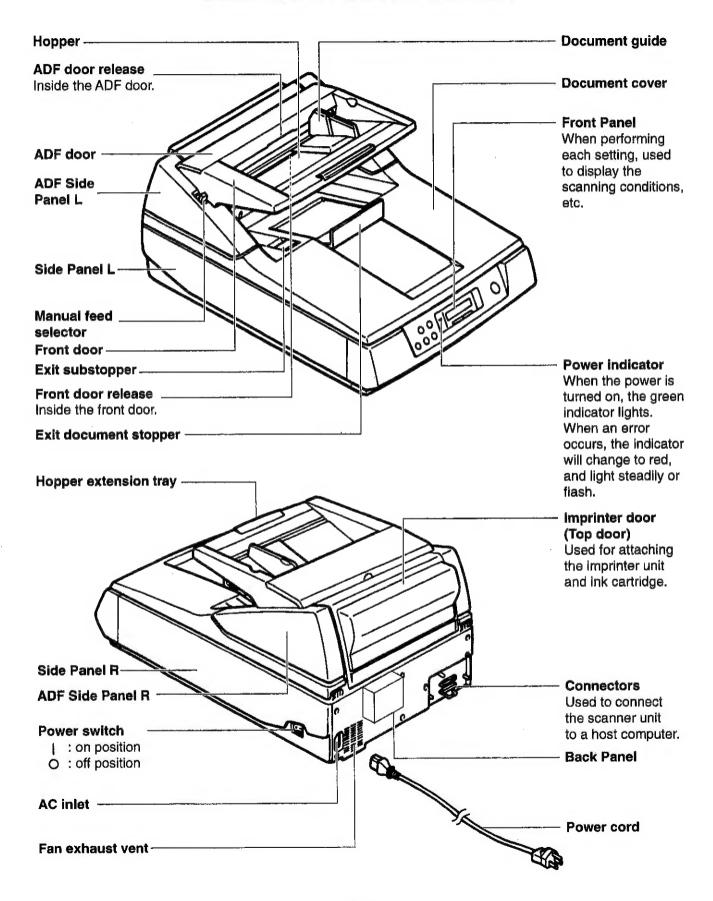
- 1) Cover the plastic parts with aluminum foil.
- 2) Ground the soldering irons.
- 3) Use a conductive mat on the worktable.
- 4) Do not grasp IC or LSI pins with bare fingers.

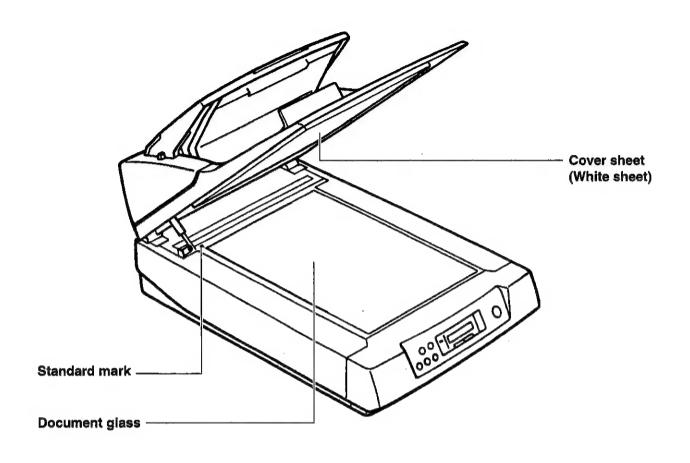
SECTION 2 SPECIFICATIONS

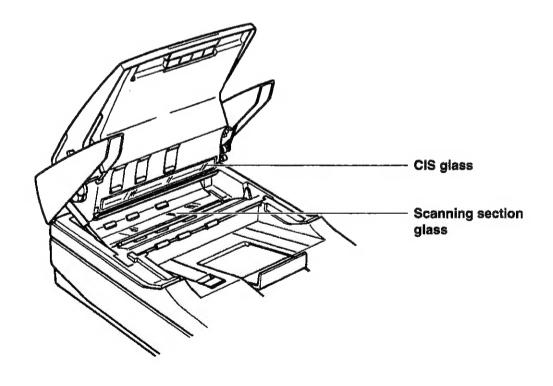
| Item | | Model No. | KV-S6040W KV-S6040WU | KV-S6045W KV-S6045WU |
|--------------------------|---------------------------------------|------------------------------------|---|---|
| | Scanning face | | Simplex scanning | Duplex scanning |
| | Scanning metho | od | CCD image sensor | ADF front side/Flatbed : CCD image sensor ADF back side : CIS (Contact Type Image Sensor) |
| | · · · · · · · · · · · · · · · · · · · | Flatbed | 1.5 sec (1 paper, letter size, 200 dp | |
| | Readout speed | ADF | Simplex scanning : Approx. 45 she (Letter, fed leng) Duplex scanning : Approx. 41 she (KV-S6045W only) (Letter, fed leng) | ets/min. thwise, 200 dpi) ets/min. |
| | Resolution | Flatbed/ ADF | _ | ~600 dpi (1 dpi step) ~600 dpi (1 dpi step) |
| | Tonal gradation | | Binary mode, Grayscale mode (2/4/8 64-step gradation (error diffusion) mo | bit), 64-step gradation, (dither) mode, ode |
| Scanner | Image control | | Image emphasis, Automatic threshol Monochrome reversing, Automatic ba | • |
| | | Size for Flatbed | ~298×432mm (11.7×17 in.) | |
| | Paper | mm (11.7×17 in.) mm (12×17 in.) | | |
| | | Thickness for ADF | Single paper feeding : 0.4 | 05 to 0.15mm (2.0 to 5.9 mils) 06 to 0.15mm (2.4 to 5.9 mils) Note : 1 mil = 1/1000 in. |
| | | Weight for ADF | | to 127g/m² (10.6 to 34 lbs.) to 127g/m² (13 to 34 lbs.) |
| | Hopper capacit | у | 200 sheets [64g/m² (17 lbs.) un used | d paper] |
| | External dimen (Width×Depth× | | 464×717×296mm (18.3×28.2×11.7 in | .) |
| | Mass (Weight) | | 30kg (66 lbs.) | |
| Unit | Power requirem | ent | AC100 - 120V, 50/60Hz (KV-S6040V AC220 - 240V, 50/60Hz (KV-S6040V | • |
| | Power | Maximum (Scanning) | 1.8A (KV-S6040W/S6045W) 1.0A (KV-S6040WU/S6045WU) | |
| | consumption | Minimum | 0.5A (KV-S6040W/S6045W) | |
| Operating Environment | Operating temp | (Standby) erature | 0.3A (KV-S6040WU/S6045WU) 15°C to 30°C (59°F to 86°F), 30% to 8 | 0% RH |
| Storage Environment | Storage temper | rature | 0°C to 35°C (32°F to 95°F), 10% to 80° | % RH |
| Option | Roller exchange | | , Imprinter unit (KV-SS010), Red lamp o), Ink cartridge (KV-SS06) | ption (KV-SS045), |

[&]quot;Weight in pounds" of paper represents the weight of 500 [432×559mm (17×22 inches)] sheets.

SECTION 3 COMPONENT IDENTIFICATION





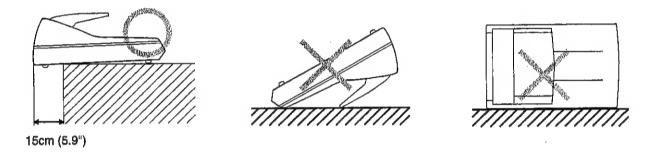


SECTION 4 INSTALLATION

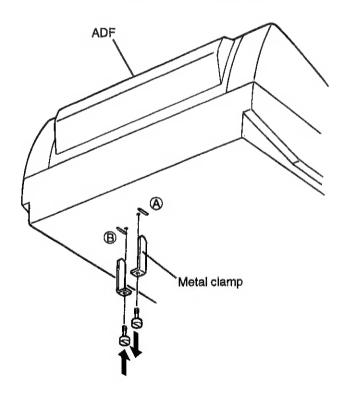
4.1 Installation

In order to ensure the scanner's safety while it is being transported, its optical unit is secured by a metal clamp. Once the scanner has been put in the place where it is to be installed, change the position of the metal clamp by following the steps outlined below.

- 1) Place the scanner is such a way that its left area protrudes by about 15cm (5.9") from the edge of a table.
 - Do not turn it upside down or stand it on its side.
 - When placing the scanner on a table, be careful not to extend beyond the edge 15cm (5.9"). Otherwise, the scanner may fall.

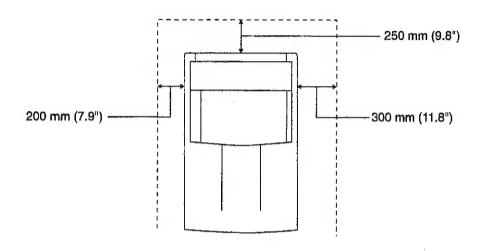


2) Remove the metal clamp on the bottom of the scanner from position (A) and attach it at position (B) instead.



4.2 Minimum Space Requirements

Be sure to maintain the recommended space requirements for proper ventilation.



4.3 SIMM Module Extension

A maximum of 64 MB extended memory may be required depending on the combination of the paper size, resolution and gray scale mode.

(For example, to scan a two-sided A4 size document with 600 dpi, binary, etc.)

To determine how much extended memory is required, refer to Table 1 on page 2 of the Panasonic Image Enhancement Technology Operation Manual.

* Recommended SIMM

- 1) 72 pin
- 2) 32 bit, NON PARITY
- 3) Access Time: 70 nsec or less
- 4) 8 MB, 16 MB or 32 MB may be used for a maximum total of 64 MB in 2 connectors.

4.4 Installing SIMM Modules

Insert the SIMM modules into the connectors on the SCSI Board at an angle (1), then push them in the direction of the arrow holding both sides (2) until they click into place.

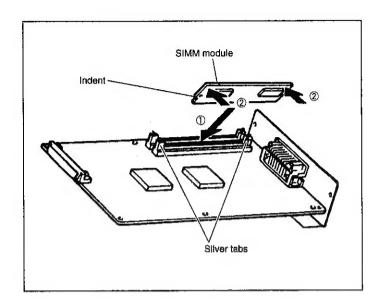
- The SIMM can be attached to either of the 2 connectors.
- 2 SIMM modules can be attached for the required size.

(EX.) 8 MB + 8MB = 16 MB

* Required Memory Size for each scanning mode is shown on 4-4 and 4-5 pages.

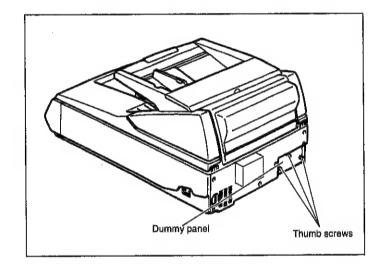
Note

- Be sure that the indent is to the left side, or the SIMM module will not be in the proper position.
- To remove the SIMM modules, press the silver tabs at both sides of the connectors.



4.5 Installing the SCSI Board

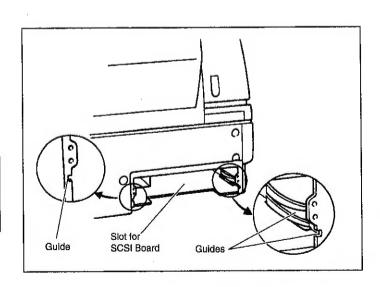
- 1) Make sure the Power is OFF.
- 2) Remove the 3 thumb screws.
 - These screws will be used in step 5.
- 3) Remove the dummy panel.
 - Store the dummy panel in a safe place for future use.



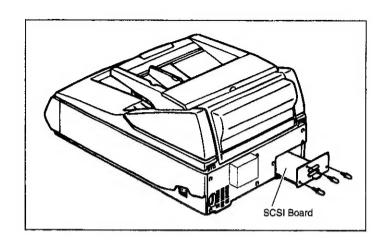
- 4) Insert the SCSI Board into the unit along the rails and push it in firmly.
 - Confirm that the SCSI Board plate is fully inserted until it firmly locks in place.
 - After removing the dummy panel, do not insert your hand into the slot for SCSI Board.

Warning

Installing or removing the SCSI Board while the Scanner is ON may result in damage to the Board, as well as the Scanner.



- 5) Secure the SCSI Board with the 3 thumb screws.
- 6) Install the scanner driver software in your computer according to the enclosed manuals.



Additional Memory Size each scanning mode (MB)

Simplex/8bit

| dpi | | _ | Reso | lution | | |
|---------------|-----|-----|------|--------|-----|-----|
| Size | 100 | 200 | 300 | 400 | 500 | 600 |
| A3 | 0 | 0 | 16 | 24 | 40 | 64 |
| A4 | 0 | 0 | 8 | 8 | 16 | 32 |
| A 5 | 0 | 0 | 0 | 0 | 8 | 16 |
| A6 | 0 | 0 | 0 | 0 | 0 | 8 |
| B4 (JIS) | 0 | 0 | 8 | 16 | 32 | 48 |
| B5 (JIS) | Ö | 0 | 0 | 8 | 16 | 24 |
| B6 (JIS) | Ö | 0 | 0 | 0 | 8 | 8 |
| Double Letter | 0 | 0 | 16 | 24 | 40 | 64 |
| Legal | 0 | 0 | 8 | 16 | 24 | 40 |
| Letter | 0 | 0 | 8 | 8 | 16 | 32 |

Duplex/8bit

| dpi | | | Reso | ution | | |
|---------------|-----|-----|------|-------|-----|-----|
| ize | 100 | 200 | 300 | 400 | 500 | 600 |
| A3 | 0 | 8 | 32 | 56 | - | ~ |
| A4 | 0 | 0 | 16 | 24 | 40 | 64 |
| A5 | 0 | 0 | 8 | 8 | 16 | 32 |
| A6 | 0 | 0 | 0 | 0 | 8 | 16 |
| B4 (JIS) | 0 | 8 | 24 | 40 | 64 | |
| B5 (JIS) | 0 | 0 | 8 | 16 | 32 | 48 |
| B6 (JIS) | 0 | 0 | 0 | 8 | 16 | 24 |
| Double Letter | 0 | 8 | 32 | 56 | - | _ |
| Legal | 0 | 8 | 16 | 32 | 56 | - |
| Letter | 0 | 0 | 16 | 24 | 40 | 64 |

Simplex/4bit

| dpi | | | Reso | lution | | |
|---------------|-----|-----|------|--------|-----|-----|
| Size | 100 | 200 | 300 | 400 | 500 | 600 |
| A3 | 0 | 0 | 8 | 8 | 16 | 32 |
| A4 | 0 | 0 | 0 | 0 | 8 | 16 |
| A 5 | 0 | 0 | 0 | 0 | 0 | 8 |
| A6 | 0 | 0 | 0 | 0 | 0 | 0 |
| B4 (JIS) | 0 | 0 | 0 | 8 | 16 | 24 |
| B5 (JIS) | Ô | 0 | 0 | 0 | 8 | 8 |
| B6 (JIS) | 0 | 0 | 0 | 0 | 0 | 0 |
| Double Letter | 0 | 0 | 8 | 8 | 16 | 32 |
| Legal | 0 | 0 | 0 | 8 | 8 | 16 |
| Letter | 0 | 0 | 0 | 0 | 8 | 16 |

Duplex/4bit

| dpi | | /ANN / | Resc | lution | | |
|---------------|-----|--------|------|--------|-----|-----|
| iize | 100 | 200 | 300 | 400 | 500 | 600 |
| A3 | 0 | 0 | 16 | 24 | 40 | 64 |
| A4 | 0 | 0 | 8 | 8 | 16 | 32 |
| A5 | 0 | 0 | 0 | 0 | 8 | 16 |
| A6 | 0 | 0 | 0 | 0 | 0 | 8 |
| B4 (JIS) | 0 | 0 | 8 | 16 | 32 | 48 |
| B5 (JIS) | 0 | 0 | 0 | 8 | 16 | 24 |
| B6 (JIS) | 0 | 0 | 0 | 0 | 8 | 8 |
| Double Letter | 0 | 0 | 16 | 24 | 40 | 64 |
| Legal | 0 | 0 | 8 | 16 | 24 | 40 |
| Letter | 0 | 0 | 8 | 8 | 16 | 32 |

Simplex/Binary

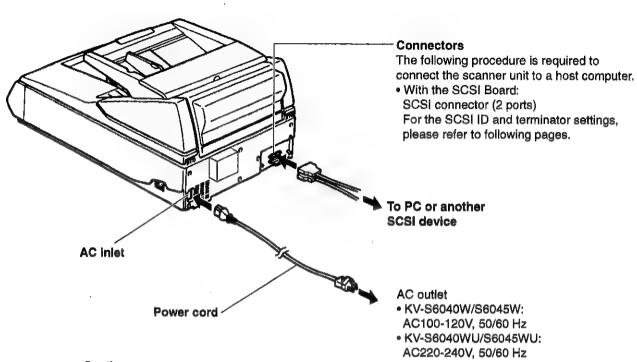
| dpi | | | Reso | iution . | | |
|---------------|-----|-----|------|----------|-----|-----|
| Size | 100 | 200 | 300 | 400 | 500 | 600 |
| A3 | 0 | 0 | 0 | 0 | 0 | 8 |
| A4 | 0 | 0 | 0 | 0 | 0 | 0 |
| A5 | 0 | 0 | 0 | 0 | 0 | 0 |
| A6 | 0 | 0 | 0 | 0 | 0 | 0 |
| B4 (JIS) | 0 | 0 | 0 | 0 | 0 | 0 |
| B5 (JIS) | 0 | 0 | 0 | 0 | 0 | 0 |
| B6 (JIS) | 0 | 0 | 0 | 0 | 0 | 0 |
| Double Letter | 0 | 0 | 0 | 0 | . 0 | 8 |
| Legal | 0 | 0 | 0 | 0 | 0 | 0 |
| Letter | 0 | 0 | 0 | 0 | 0 | 0 |

Duplex/Binary

| dpi | · · · · · · · · · · · · · · · · · · · | | Reso | lution | | |
|---------------|---------------------------------------|-----|------|--------|-----|-----|
| Size | 100 | 200 | 300 | 400 | 500 | 600 |
| A3 | 0 | 0 | 0 | 0 | 8 | 16 |
| A4 | 0 | 0 | 0 | 0 | 0 | 8 |
| A5 | 0 | 0 | 0 | 0 | 0 | 0 |
| A6 | 0 | 0 | . 0 | 0 | 0 | 0 |
| B4 (JIS) | 0 | 0 | 0 | 0 | 8 | 8 |
| B5 (JIS) | Ö | 0 | 0 | 0 | 0 | 0 |
| B6 (JIS) | 0 | 0 | 0 | 0 | 0 | 0 |
| Double Letter | 0 | 0 | 0 | 0 | 8 | 16 |
| Legal | 0 | 0 | 0 | 0 | 0 | 8 |
| Letter | 0 | 0 | 0 | 0 | 0 | 8 |

4.6 Connecting the Unit to a Host Computer

Please refer to the "Installation Instructions for the SCSI Board and SIMM Module" enclosed with the unit to install the SCSI Board.

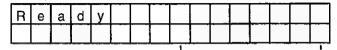


Caution:

Set the power switch on the scanner and on the host computer to OFF before connecting the interface cable. Use only with the power cord that is supplied by the manufacturer.

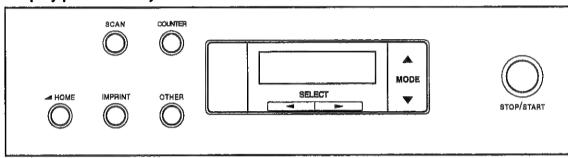
4.7 LCD Settings

Before scanning the document, perform the preferred settings on the display. Setting information and scanner conditions are shown on the display.



After scanning, the counter amount will be displayed.

Display panel and keys



COUNTER: : Press to enter the scanning setting menu.

: Press to enter the imprinter setting menu.

: Press to enter other setting menu.

: Press to exit from the setting section and return to the ready status.
Also used to change the display language.

stop/start : Used to stop or start scanning a document.

:

Up to 32 characters can be displayed during scanning or setting.

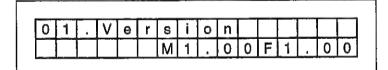
 Press to advance to the next mode in the selected menu.

 Press to return to the previous mode in the selected menu.

Press to advance to the next value in the selected mode.

Press to return to the previous value in the selected mode.

Press the OTHERS key.
 Enters setting modes other than SCAN,
 COUNTER, or IMPRINT and displays the version.



2) Press the MODE key.
Press the MODE key [▲] to display the SCSI ID, which is the fourth setting.

| 0 | 4 | S | С | S | 1 | Π | D | | | | |
|---|---|---|---|---|---|---|---|--|---|---|---|
| | | | | | | | | | Ν | 0 | 6 |

3) Press the SELECT [◀] key or [▶] key to select the desired setting.

The [▶] key moves to the next ID as shown below.

The [◀] key moves to the previous ID.

| | | | | | | | | | | | | | |
|---|---|---|---|---|-------|------|---|--|----------|---|---|---|--|
| 0 | 4 | S | C | S | | - | D | | | | | | |
| | | | | | | | | | Ν | 0 | | 7 | |
| | l | | | | لِــا | | | | <u>N</u> | 0 | · | 7 | |

4) Press the MODE key [A] to switch to the terminator setting.

To activate the SCSI ID settings, press the HOME key to return to "READY", then turn the unit off and on.

| 0 | [5] | | Т | е | m | 'n | | + | | | | |
|----------|-----|---|---|---|-------|--------|---|---|---|----------|---|---|
| <u>U</u> | 2 | ٠ | | đ | ш | 11 | a | ı | Q | <u> </u> | | L |
| | | | | | | | D | i | s | a | b | е |

n l

a t

0

n

elrlmli

5) Press the SELECT [◀] key or [▶] key to select the desired setting.

The [▶] key moves to the next content as shown below.

The [◀] key moves to the previous content.



Note:

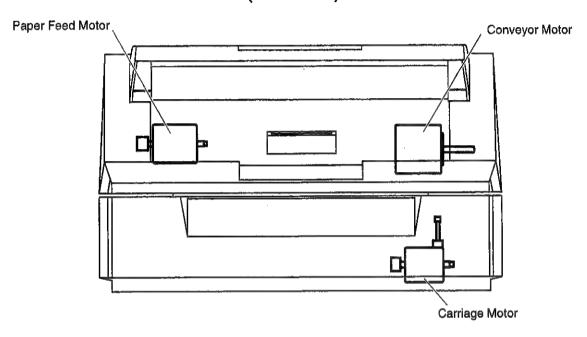
• In case Scanner is located to terminal position on SCSI bus physically, this operation should be set to "Terminator Enable".

0 5

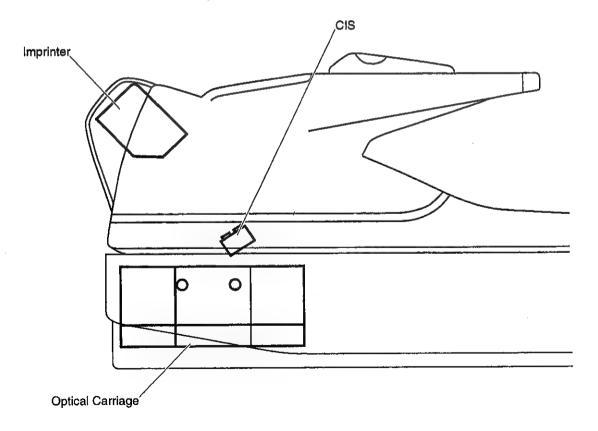
- Setting the SCSI ID will be activated after turning the power OFF and turning it ON again.
- Setting the terminator will be activated after turning the power OFF and turning it ON agian.

SECTION 5 SECTIONAL VIEWS

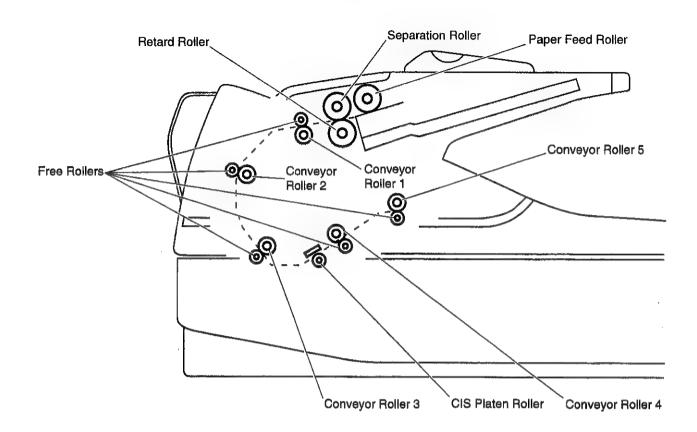
Motors (Front View)



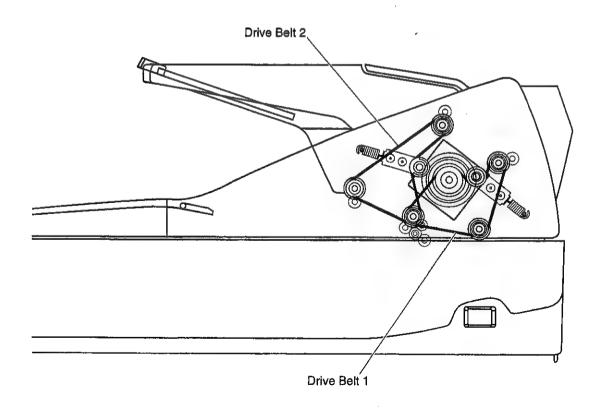
Optical Units and Imprinter



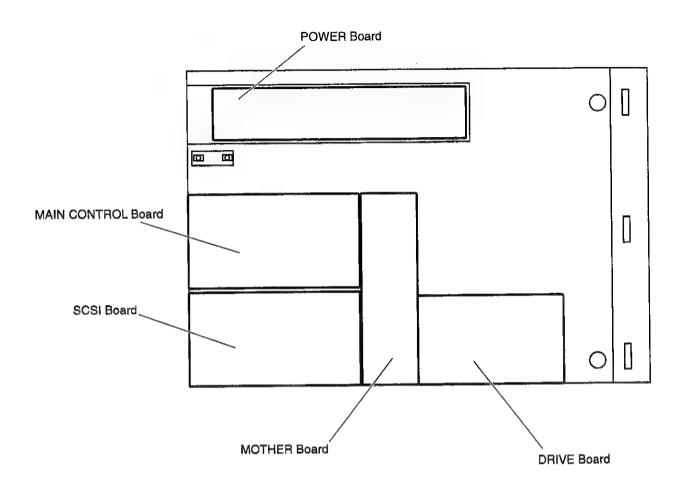
Rollers

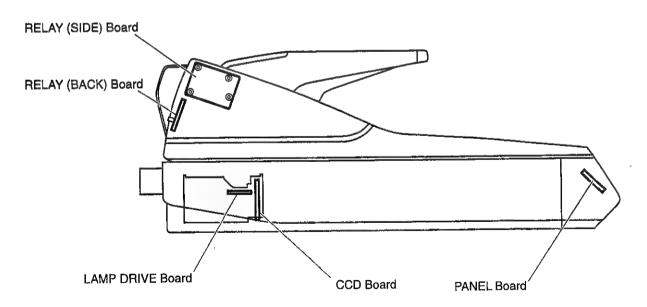


Drive Belts

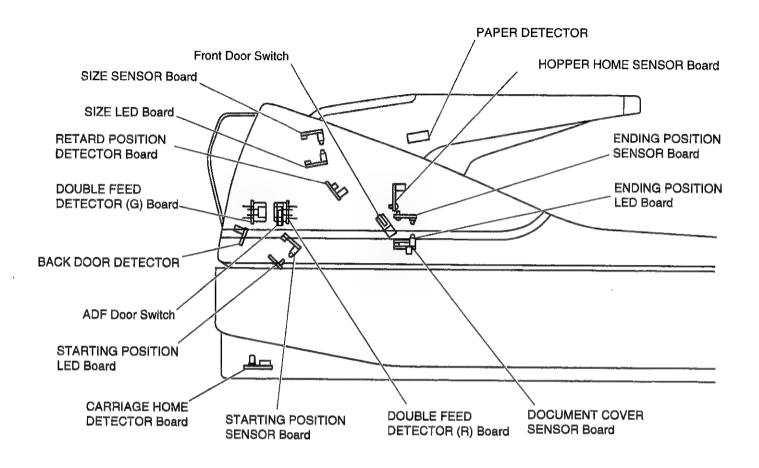


Circuit Boards



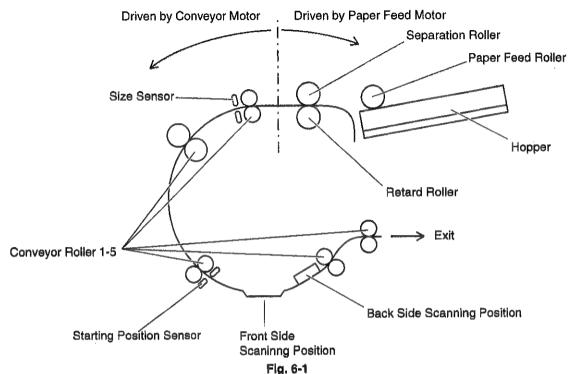


Sensor Boards and Switches



SECTION 6 MECHANICAL FUNCTION

6.1 Paper Feed Mechanism



- (1) When the paper is set on the Hopper, and the scanning command is issued from PC, the Hopper rises and the paper will be brought into contact with Paper Feed Roller.
- (2) The Conveyor Motor activates to rotate the Conveyor Roller 1 through 5.
- (3) The Paper Feed Motor activates to rotate the Paper Feed and Separation Rollers. The Paper Feed Roller picks up a page. A spring attaches the Retard Roller to the Separation Roller. The supporting axis of the Retard Roller is connected to the fixed gear through the torque limiter and the timing belt's gear train. In case there is only one page picked up between Separation Roller. The Retard Roller rotates in the direction which the Separation Roller rotates by allowing the Retard Roller to slip on the torque limiter. If there are two or more pages between Separation Roller and Retard Roller, torque limiter is set so that the load of the torque limiter increases accordingly, to allow slip friction for each pages. As a result of this, only the top page passes through the conveyor section, and the additional pages are prevented from passing through.

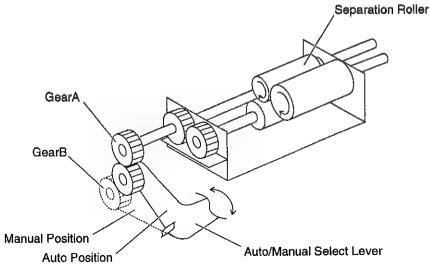


Fig. 6-2

- (4) When the top of the paper passes through on Size Sensor via Separation / Retard Roller and Conveyor Roller, Paper motor stops.
- (5) When the top of the first page reaches to Scanning Position, CCD sensor and or CIS is driven to scan. And by using the above sensors, scanning process starts.
- (6) When the end of the paper passes through on CIS(Back Side Scanning Position), Conveyor Motor stops, Scanner waits for next scanning start command from PC. At this time, if no following paper to scan, the current scanning paper is gone out.
- (7) When the end of the first page passes through on the Size Sensor on the continuous scanning mode, Paper Feed Motor starts again after an interval of approx. 100mm on duplex mode(approx.60mm on simplex mode) and feed the following paper through the conveyor section.
- (8) Repeat the above (3) to (8).
- (9) After finishing all scanning process, Hopper goes down to the original position and the series of Scanning sequence ends.

6.2 Manual Feed Mode

- (1) For multiple sheet's scanning, there is possibility that the first page and the second page will be separated, and the paper will be torn if paper is scanned while the Retard Roller is locked.
- (2) When Auto/Manual Select Lever is set to "Auto", the Gear fixed with lever is connected to the Retard Roller. Thereby, The Retard Roller is locked through torque limiter.
- (3) When Auto/Manual Selector Lever is set to "Manual", the Gear B fixed with lever is free from Gear A connected to the Retard Roller. In this case, the Retard Roller operates as free roller for the Separation Roller, and does not operate paper separation function because the Retard Roller rotates independently.

6.3 Paper Feed Roller/Hopper Lift Drive Mechanism

- (1) Paper Feed Motor drives either Paper Feed Roller mechanism or Hopper Lift mechanism by selecting the direction of rotation.
- (2) The drive system is shown on Fig.6-3.
 - (a) The gear block ① belongs to Drive system for Paper Feed Roller and Separation Roller.
 - (b) The gear block 2 belongs to Drive system for Hopper Lift.
 - (c) The gear block (3) belongs to Drive system for Paper Feed Roller, Separation Roller, and Hopper Lift in common.

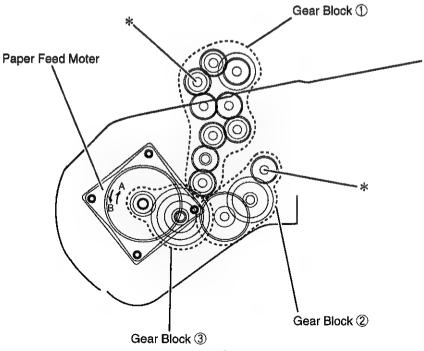


Fig. 6-3

(3) When the Paper Feed Motor drives in the direction of arrow A, Paper Feed Roller is activated, based on Output axis. On the other hand, when the Paper Feed Motor drives in the direction of arrow B, Hopper lift mechanism is activated. Gears marked with " * " on Each Gear block have one way clutches. when the gears are activated to rotate against the direction of normal rotation, the one way clutches slipped and the series of rotation are not transmitted to the mechanical block.

6.4 Hopper Lift Mechanism

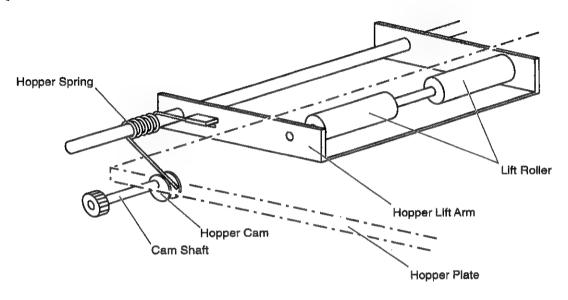


Fig. 6-4

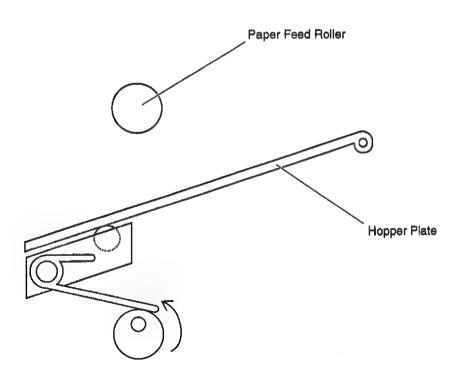


Fig. 6-5

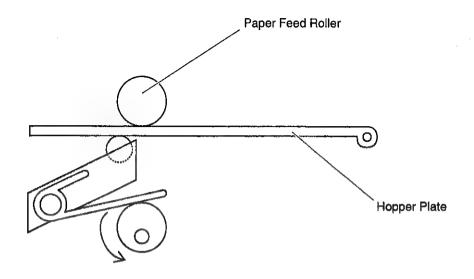


Fig. 6-6

- (1) Hopper Plate is mounted on Lift Roller of Hopper Lift Arm.
- (2) Hopper Lift Arm is supported by Hopper Cam through Hopper Spring.
- (3) Hopper Cam is an eccentric type cam, and is connected to Hopper Lift Gear block mentioned in Fig. 6-3.
- (4) When Hopper cam is in condition as shown in Fig. 6-5, the paper can be set.
- (5) When the Hopper cam rotates in the direction of arrow as shown in Fig. 6-6, it pushes up Hopper spring, and enables to paper feeding by attaching Hopper Plate to Paper Feed Roller.
- (6) And when the Hopper cam still more rotates in the direction of arrow, the cam rotates until the position as shown in Fig. 6-5, and Hopper Plate goes down.

6.5 Optical Unit

The light reflected from the paper surface is transmitted via mirrors $A \Rightarrow B \Rightarrow C \Rightarrow D \Rightarrow E$, and is transmitted to CCD surface through the lens at last.

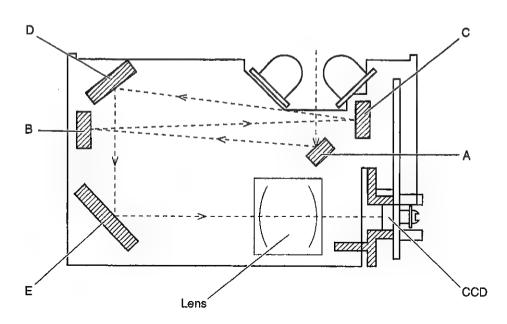


Fig. 6-7

SECTION 7 MAINTENANCE

7-1 Maintenance Chart

C: Clean R: Replace

(x1000 sheets)

| Description | Part No. | 50 | 100 | 150 | 200 | 250 | 300 |
|---------------------------|--------------|---------|----------|----------|-----|-----|-----|
| Paper Feed Roller | PBDRA0081Z | С | С | С | С | С | R |
| Separation Roller | PBDRA0082Z | С | С | С | С | С | R |
| Retard Roller | PBDRA0083Z | С | С | С | С | - C | R |
| Conveyor Roller 1 | PBDRA0084Z | С | С | С | С | С | С |
| Conveyor Roller 2 | PBDRA0085Z | С | С | С | С | С | С |
| Conveyor Roller 3 | PBDRA0085Z | С | С | С | С | С | С |
| Conveyor Roller 4 | PBDRA0084Z | С | С | С | С | С | С |
| Conveyor Roller 5 | PBDRA0084Z | С | С | С | С | С | С |
| ADF Target Glass | PBMDA0480Z | С | С | С | С | С | С |
| ADF White Sheet | PBHEA0103Z | С | С | С | С | С | С |
| Free Roller | PBDRA0029Z | С | C | С | С | С | С |
| CIS Platen Roller | PBDRA0086Z | С | С | С | С | С | С |
| Cold Ray Flourescent Lamp | CFX12AYG/36H | Lightin | g period | 1000 hou | rs | | |

Note: Whenever black line occurs on scanning image, clean ADF Target Glass, ADF White Sheet, and CIS Platen Roller, disregarding the above value.

7.2 Roller Cleaning / Paper Feed Roller, Separation Roller, Retard Roller

- (1) Turn off the Power.
- (2) Open the Front Door.
- (3) Clean the surface of Paper Feed Roller and Separation Roller with cleaning paper.(KV-SS03)
- (4) Clean the surfaces of Retard Roller with Cleaning Paper(KV-SS03), when Roller Cleaning message is indicated on the LCD (See Section 9).

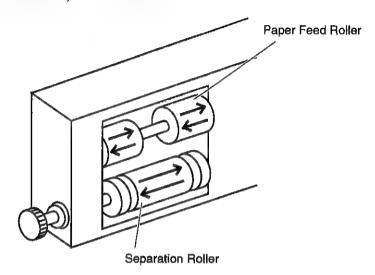


Fig. 7-1

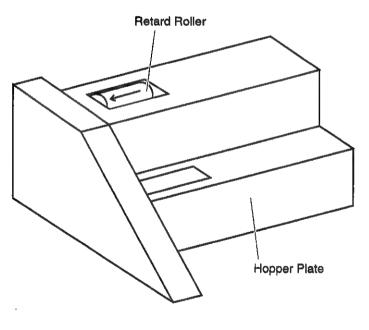


Fig. 7-2

Note: Clean any dirt from these rollers according to the arrows as shown in Fig.7-1 and Fig.7-2.

7.3 Paper Cleaning / Conveyor Roller 1-5

- 1) Conveyor Roller 1, 2
 - 1) Turn off the Power.
 - 2 Open the ADF Door.
 - ③ Clean these rollers using the cleaning paper(KV-SS03) to wipe the dirt on the surface of the roller.

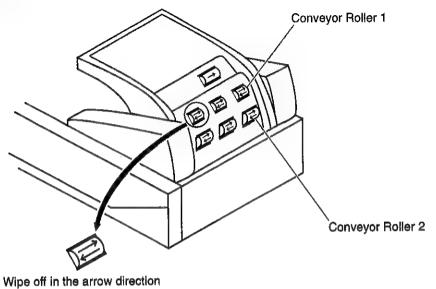


Fig. 7-3

- 2) Conveyor Roller 3, 4, 5
 - 1 Turn off the Power.
 - ② Open the Front Door.
 - ③ Clean these rollers using the cleaning paper (KV-SS03) to wipe the dirt on the surface of these roller. (same as cleaning the CIS, ADF white sheet, ADF Target Glass)

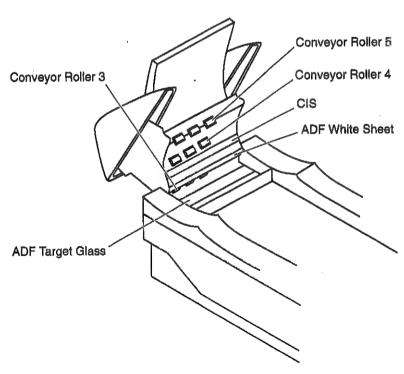
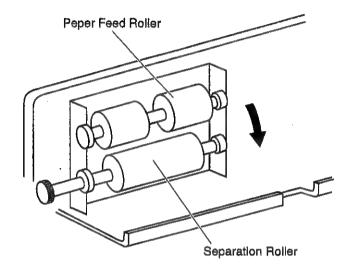


Fig. 7-4

7.4 Replacing Limited Life Parts

- 1) Paper Feed Roller, Separation Roller
 - ① Turn off the Power.
 - ② Open the Front Door.
 - ③ Open the Paper Feed Conveyor.
 - 4 Pull the gear side of Paper Feed Roller toward arrow ①.
 - 5 Slide toward arrow 2.



Flg. 7-5

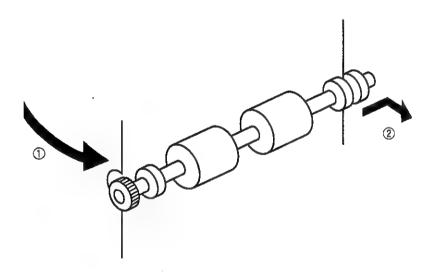


Fig. 7-6

2) Retard Roller

- 1) Turn off the Power.
- ② Open the Front Door.
- ③ Open the Retard Conveyor.④ Grip the Retard Roller and slide toward arrow ③.

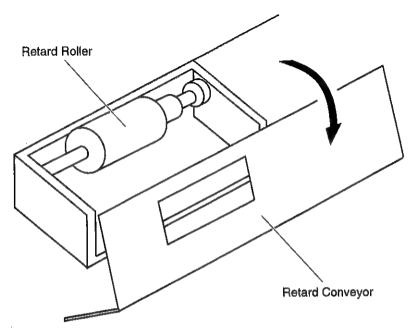


Fig. 7-7

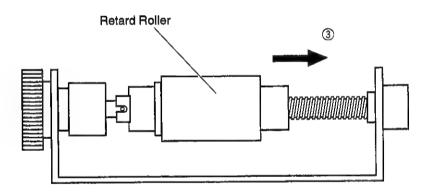


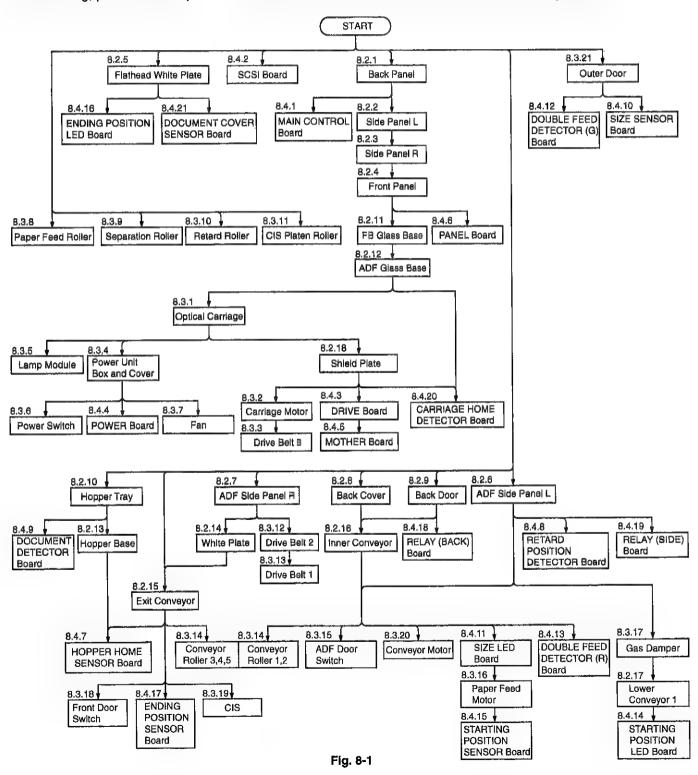
Fig. 7-8



SECTION 8 DISASSEMBLY INSTRUCTIONS

8.1 Disassembly Flowchart

The flowchart indicates disassembly items of the Covers, Unit Components and Circuit Board assemblies. When reassembling, perform the steps in the reverse order unless otherwise noted in Reassembling Notes.



8.2 Exterior

8.2.1 Back Panel

- 1) Remove 7 screws.
- 2) Remove the Back Panel.

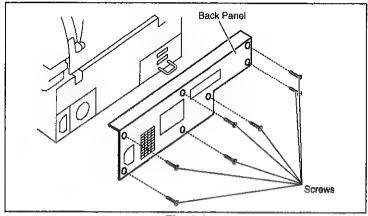


Fig. 8-1

8.2.2 Side Panel L

- 1) Remove Back Panel. (See 8.2.1)
- 2) Remove 3 screws.
- 3) Slide Side Panel L toward the back, as shown in Fig 8-2.

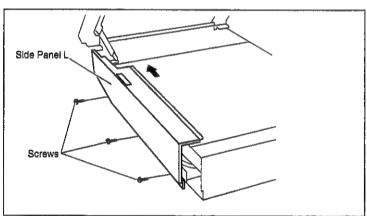


Fig. 8-2

4) Lift Side Panel L up, as shown in Fig. 8-3.

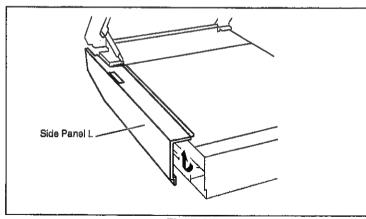


Fig. 8-3

- 5) Centralize the axis (fulcrum) of the lever and turn Side Panel L toward the right, as shown in Fig. 8-4. While turning, bring it down toward the inside (toward the left).
- 6) Detach the screw-fixed hook on the back of Side Panel L from the chassis, and remove later.

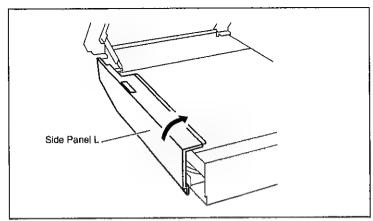


Fig. 8-4

8.2.3 Side Panel R

- 1) Remove Back Panel. (See 8.2.1)
- 2) Remove 3 screws.
- 3) Slide the Side Panel R backward as shown in Fig. 8-5.
- 4) Remove the Side Panel R.

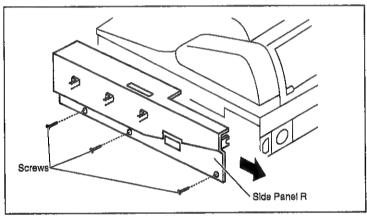


Fig. 8-5

8.2.4 Front Panel

- 1) Remove the Side Panel L. (See 8.2.2)
- 2) Remove the Side Panel R. (See 8.2.3)
- 3) Remove 3 screws(A) and 2 screws(B).
- 4) Disconnect CN536.
- 5) Remove the Front Panel.

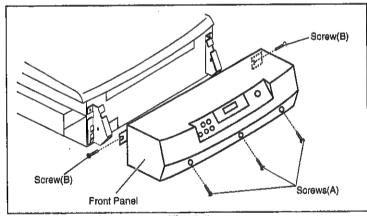


Fig. 8-6

8.2.5 Flathead White Plate

1) Peel off Flathead White Plate, as shown in Fig. 8-7.

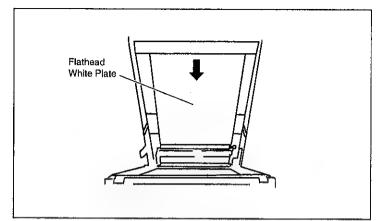


Fig. 8-7

8.2.6 ADF Side Panel L

- 1) Remove 2 screws(A).
- 2) Open Front Door.
- 3) Remove screw(B).
- 4) Remove the ADF Side Panel L.

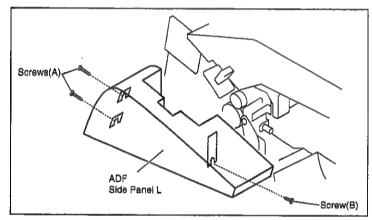


Fig. 8-8

8.2.7 ADF Side Panel R

- 1) Remove 2 screws(A).
- 2) Open Front Door.
- 3) Remove screw(B).
- 4) Remove the ADF Side Panel R.

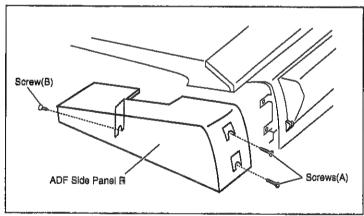


Fig. 8-9

8.2.8 Back Cover

- 1) Open ADF Door.
- 2) Loosen 4 screws and remove the Back Cover.

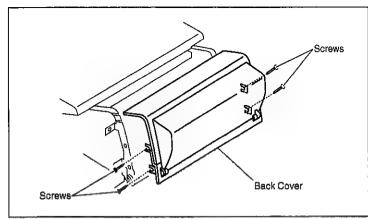


Fig. 8-10

8.2.9 Back Door

1) Push the Back Door, as shown in Fig. 8-11.

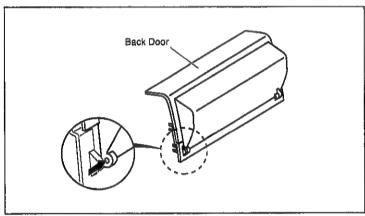


Fig. 8-11

8.2.10 Hopper Tray

- 1) Open Front Door.
- 2) Push the Hopper Tray, as shown in the Fig. 8-12.
- 3) Disconnect CN529.

Note: When connecting CN529, printed character on cable should be upper side.

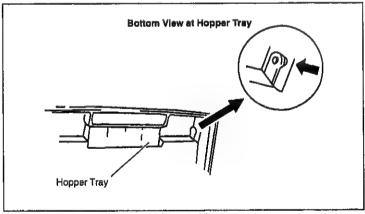


Fig. 8-12

8.2.11 FB Glass Base

- 1) Open Document Cover.
- 2) Remove Side Panel L. (See 8.2.2)
- 3) Remove Side Panel R. (See 8.2.3)
- 4) Remove Front Panel. (See 8.2.4)
- 5) Loosen 2 screws (A).
- 6) Remove 6 screws and FB Glass Base.

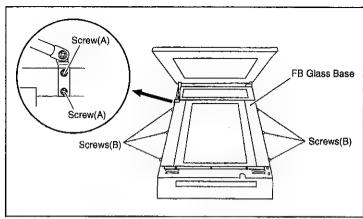


Fig. 8-13

8.2.12 ADF Glass Base

- 1) Open Document Cover.
- 2) Remove Side Panel L. (See 8.2.2)
- Remove Side Panei R. (See 8.2.3)
- 4) Remove 4 screws(A).

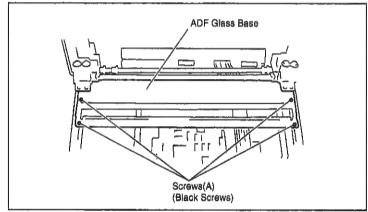


Fig. 8-14

5) Remove 2 screws(B) and ADF Glass Base.

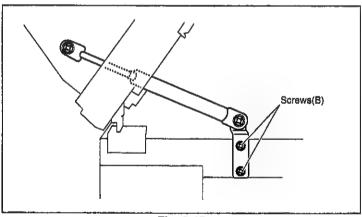


Fig. 8-15

8.2.13 Hopper Base

- 1) Remove Hopper Tray. (See 8.2.10)
- 2) Remove 2 screws(A).
- 3) Remove 2 screws(B) from the bottom of Hopper Base.
- 4) Remove 2 screws(C) from the top of Hopper Base.
- 5) Remove the Hopper Base.

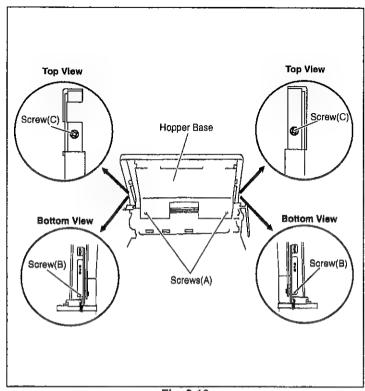


Fig. 8-16

8.2.14 White Plate

- 1) Remove ADF Side Panel R. (See 8.2.7)
- 2) Open Front Door.
- 3) Loosen 2 screws.
- 4) Remove White Plate.

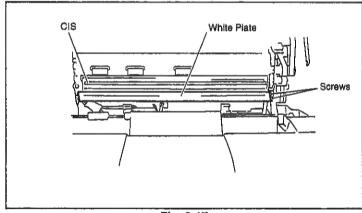


Fig. 8-17

8.2.15 Exit Conveyor

- 1) Open Front Door.
- 2) Remove 4 screws and Exit Conveyor.

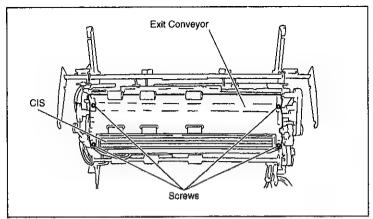
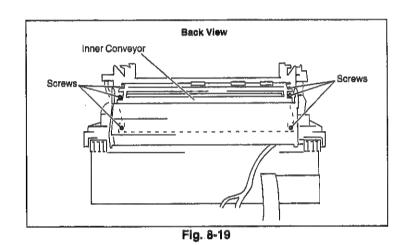


Fig. 8-18

8.2.16 Inner Conveyor

- 1) Remove Back Cover. (See 8.2.8)
- 2) Open ADF Door.
- 3) Remove 6 screws and Inner Conveyor.



8.2.17 Lower Conveyor 1

- 1) Remove ADF Side Panel L. (See 8.2.6)
- 2) Remove ADF Side Panel R. (See 8.2.7)
- 3) Remove Gas Damper. (See 8.3.17)
- 4) Open Front Door.
- 5) Remove 4 screws(A).
- 6) Remove 2 screws(B) and Lower Conveyor 1.

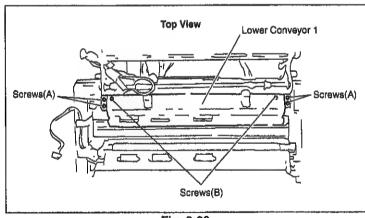


Fig. 8-20

8.2.18 Shield Plate

- 1) Remove Optical Carriage. (See 8.3.1)
- 2) Remove screw(B) and Shield Plate 2.
- 3) Remove 11 screws(A) and Shield Plate 1.

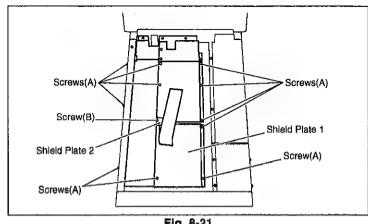
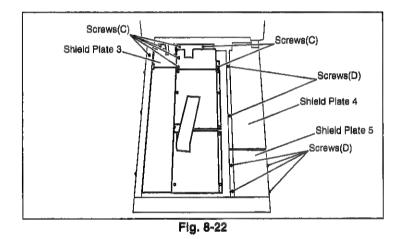


Fig. 8-21

- 4) Remove 6 screws(C) and Shield Plate 3.
- 5) Remove E screws(D), Shield Plate 4, and Shield Plate 5.



8.3 Unit Components

8.3.1 Optical Carriage

- 1) Remove FB Glass Base. (See 8.2.11)
- 2) Remove ADF Glass Base. (See 8.2.12)
- 3) Remove 2 screws(A) and Loosen screw(B) and pull out Shaft, as shown in Fig. 8-23.
- 4) Disconnect Connector from Optical Carriage. Note: When assembling, supply the cable to this carriage so that "CCD" character is seen from front side.
- 5) Remove Optical Carriage.

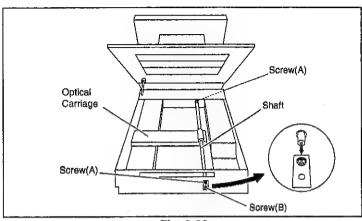


Fig. 8-23

8.3.2 Carriage Motor

- 1) Remove Shield Plate. (See 8.2.18)
- 2) Remove 2 screws(A).

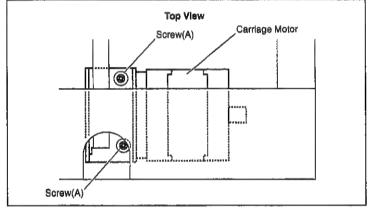


Fig. 8-24

- 3) Remove 4 nuts from the bottom side of this scanner.
- 4) Disconnect Carriage Motor Connector.

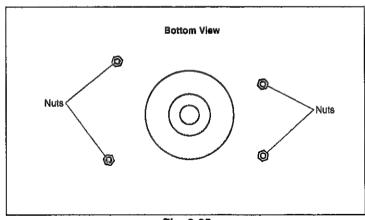


Fig. 8-25

8.3.3 Drive Belt 3

- 1) Remove Carrige Motor. (See 8.3.2)
- 2) Remove Drive Belt 3, as shown in Fig. 8-26.

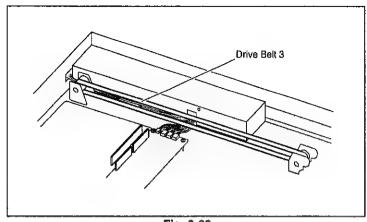


Fig. 8-26

8.3.4 Power Unit Box and Cover

- 1) Remove Optical Carriage. (See 8.3.1)
- 2) Remove 3 screws(A), as shown in Fig. 8-27.

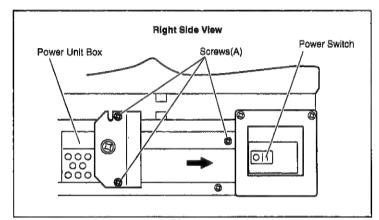


Fig. 8-27

- 3) Remove screw(B), as shown in Fig. 8-28.
- 4) Slide Power Unit Box to the back side, according to the arrow, as shown in Fig. 8-27.

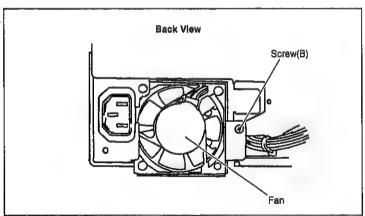
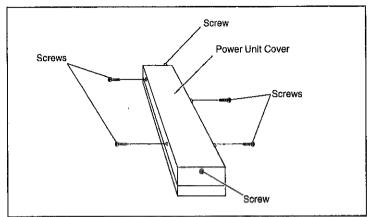


Fig. 8-28

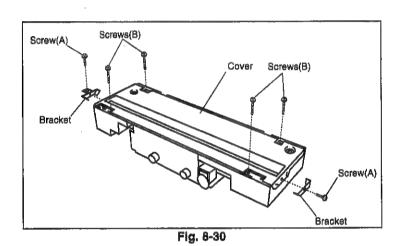
5) Remove 6 screws and slide Power Unit Cover to back side, as shown in Fig. 8-29.



Flg. 8-29

8.3.5 Lamp Module

- 1) Remove Optical Carriage. (See 8.3.1)
- 2) Remove 2 screws(A) and brackets.
- 3) Remove 4 screws(B) and Cover.
- 4) Disconnect Lamp Module Connector.



5) Remove 2 screws(C), and Lamp Module.

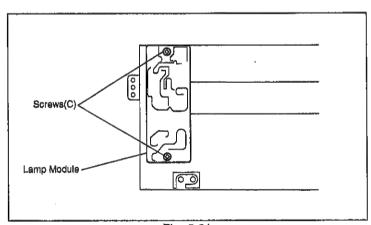


Fig. 8-31

8.3.6 Power Switch

- 1) Remove Power Unit Box and Cover. (See 8.3.4)
- 2) Remove Power Switch from the chassis. (Pull out white pressing both sides of the locking section)

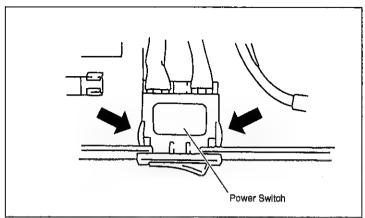
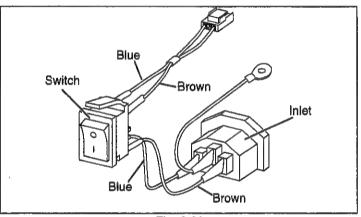


Fig. 8-32

WARNING

When replacing the Power Switch or Inlet, the wiring must be installed as illustrated.



Flg. 8-33

8.3.7 Fan

- 1) Remove Back Panel. (See 8.2.1)
- 2) Remove Power Unit Box and Cover. (See 8.3.4)
- 3) Disconnect Fan connector.
- 4) Remove 2 screws(A), screw(B), and Fan, as shown in Fig. 8-34.

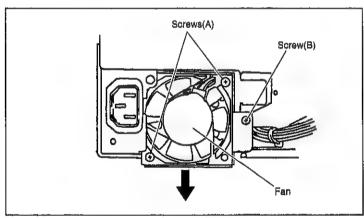


Fig. 8-34

8.3.8 Paper Feed Roller

- 1) Open ADF Door.
- 2) Open Plate.
- 3) Unlock the Paper Feed Roller from the notching hole of chassis and remove it.

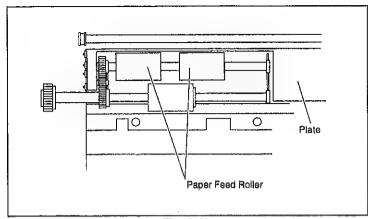


Fig. 8-35

8.3.9 Separation Roller

- 1) Open ADF Door.
- 2) Open Plate.
- 3) Unlock the Separation Roller from the notching hole of chassis and remove it.

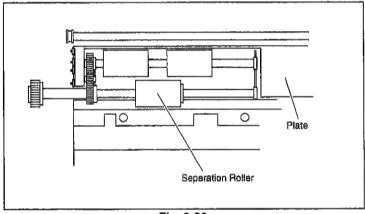


Fig. 8-36

8.3.10 Retard Roller

- 1) Open ADF Door.
- 2) Open Plate.
- 3) Grip the Retard Roller and slide, as shown in Fig. 8-37.

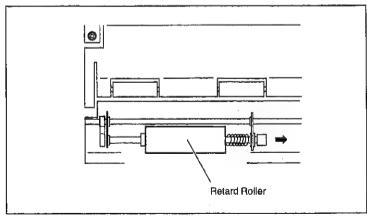


Fig. 8-37

8.3.11 CIS Platen Roller

- 1) Open Front Door.
- 2) Unlock the CIS Platen Roller from the notching hole of chassis and remove it.

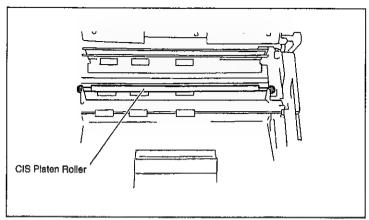


Fig. 8-38

8.3.12 Drive Belt 2

- 1) Remove ADF Side Panal R. (See 8.2.7)
- 2) Loosen 2 screws and remove Drive Belt 2.

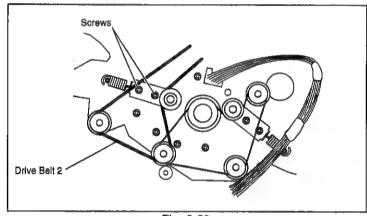
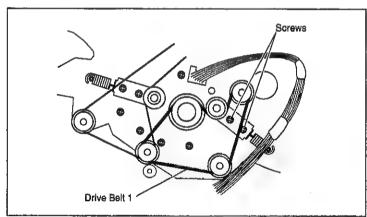


Fig. 8-39

8.3.13 Drive Belt 1

- 1) Remove ADF Side Panel R. (See 8.2.7)
- 2) Remove Drive Belt 2. (See 8.3.12)
- 3) Loosen 2 screws and remove Drive Belt 1.



Flg. 8-40

8.3.14 Conveyor Roller 1-5

- 1) Remove Inner Conveyor. (See 8.2.16)
- 2) Remove ADF Side Panel R. (See 8.2.7)
- 3) Unlock Conveyor Roller (1,2) from the notching hole of the chassis and remove them.
- 4) Remove Exit Conveyor. (See 8.2.15)
- 5) Unlock Conveyor Roller 3,4, and 5 from the notching hole of the chassis and remove them.

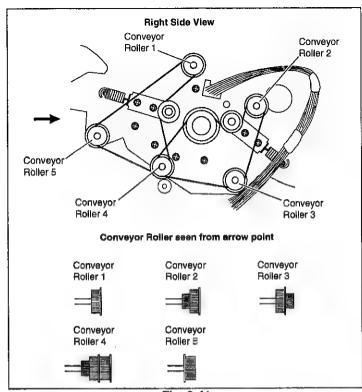


Fig. 8-41

8.3.15 ADF Door Switch

- 1)Remove Inner Conveyor. (See 8.2.16)
- 2) Remove ADF Side Panel R. (See 8.2.7)
- 3) Disconnect ADF Door Switch connector.
- 4) Remove screw and ADF Door Switch.

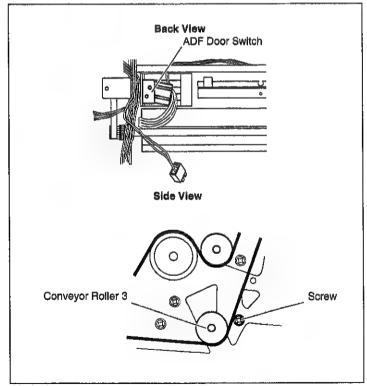


Fig. 8-42

8.3.16 Paper Feed Motor

- 1) Remove Inner Conveyor. (See 8.2.16)
- 2) Remove Conveyor Roller 1, 2. (See 8.3.14-3)
- 3) Remove Exit Conveyor. (See 8.2.15)
- 4) Remove RELAY(SIDE) Board. (See 8.4.19)
- 5) Remove 2 E-rings and Gears.
- 6) Remove 2 screws(A) as shown in Fig. 8-43.
- 7) Remove SIZE LED Board. (See 8.4.11)
- 8) Disconnect Paper Feed Motor connector and Paper Feed Motor.

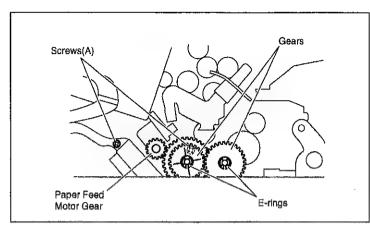


Fig. 8-43

8.3.17 Gas Damper

- 1) Remove ADF Side Panel L. (See 8.2.6)
- 2) Open Document Cover.
- 3) Remove 2 screws and Gas Damper.

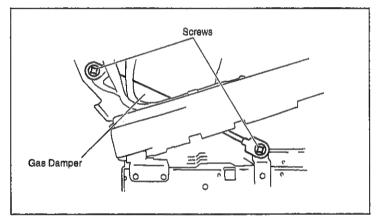


Fig. 8-44

8.3.18 Front Door Switch

- 1) Open Front Door.
- 2) Remove Exit Conveyor. (See 8.2.15)
- 3) Disconnect Front Door Switch connector.
- 4) Remove screw and Front Door Switch.

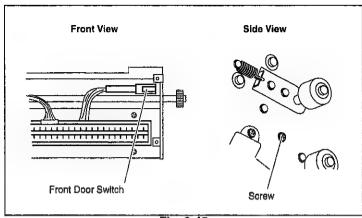


Fig. 8-45

8.3.19 CIS

- 1) Remove White Plate. (See 8.2.14)
- 2) Remove Exit Conveyor. (See 8.2.15)
- 3) Remove 4 screws and CIS.
- 4) Disconnect CIS connector.

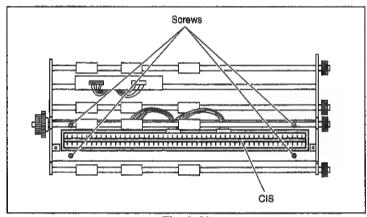


Fig. 8-46

8.3.20 Conveyor Motor

- 1) Remove Inner Conveyor. (See 8.2.16)
- 2) Remove Exit Conveyor. (See 8.2.15)
- 3) Remove ADF Side Panel R. (See 8.2.7)
- 4) Remove 2 screws.
- 5) Disconnect Conveyor Motor connector, and remove Conveyor Motor.

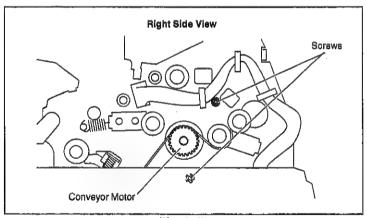


Fig. 8-47

8.3.21 Outer Door

- 1) Open the ADF Door.
- 2) Remove the Plate.
- 3) Remove 6 screws and Outer Door.

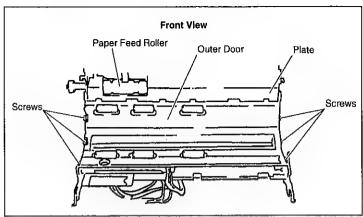


Fig. 8-48

8.4 Circuit Board Assemblies

8.4.1 MAIN CONTROL Board

- 1) Remove Back Panel. (See 8.2.1)
- 2) Remove 2 screws and MAIN CONTROL Board.
- Disconnect all connectors from/to MAIN CONTROL Board.

Note: See SECTION 11 BLOCK DIAGRAM for connections.

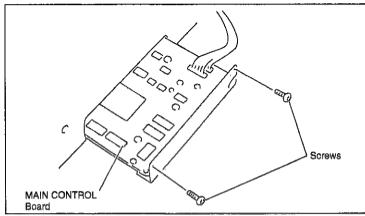
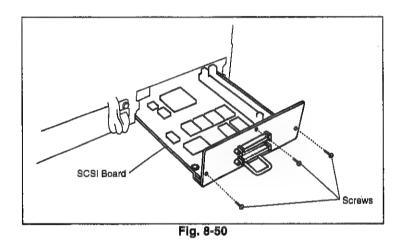


Fig. 8-49

8.4.2 SCSI Board

- 1) Remove 3 thumb screws.
- 2) Pull out SCSI Board.



8.4.3 DRIVE Board

- 1) Remove FB Glass Base. (See 8.2.11)
- 2) Remove Optical Carriage. (See 8.3.1)
- 3) Remove Shield Plate. (See 8.2.18)
- 4) Remove 4 screws and DRIVE Board.
- Disconnect all connectors from/to DRIVE Board.
 Note: See SECTION 11 BLOCK DIAGRAM for connections.

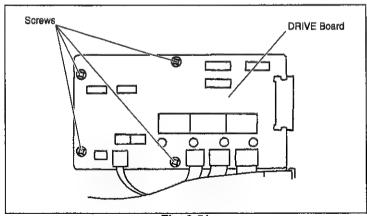


Fig. 8-51

8.4.4 POWER Board

- 1) Remove FB Glass Base. (See 8.2.11)
- 2) Remove Power Unit Box and Cover. (See 8.3.4)
- 3) Remove 11 screws and POWER Board.
- 4) Disconnect all connectors from/to POWER Board. Note: See SECTION 11 BLOCK DIAGRAM for connections.

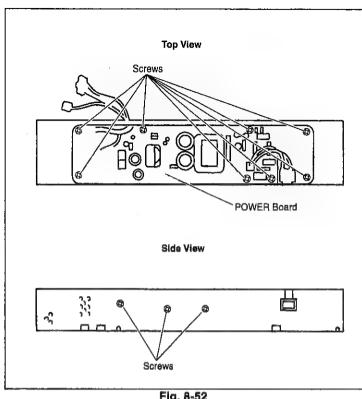
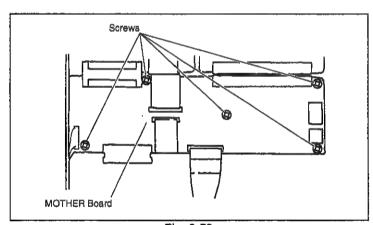


Fig. 8-52

8.4.5 MOTHER Board

- 1) Remove FB Glass Base. (See 8.2.11)
- 2) Remove Optical Carriage. (See 8.3.1)
- 3) Remove Shield Plate. (See 8.2.18)
- 4) Remove DRIVE Board. (See 8.4.3)
- 5) Remove 5 screws and MOTHER Board.
- 6) Disconnect all connectors from/to MOTHER Board. Note: See SECTION 11 BLOCK DIAGRAM for connections.



Flg. 8-53

8.4.6 PANEL Board

- 1) Remove Front Panel. (See 8.2.4)
- 2) Remove 7 screws and PANEL Board.
- 3) Disconnect CN536.

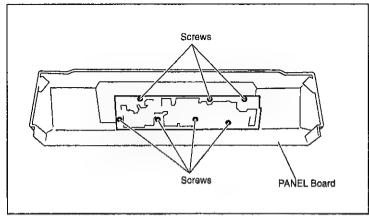
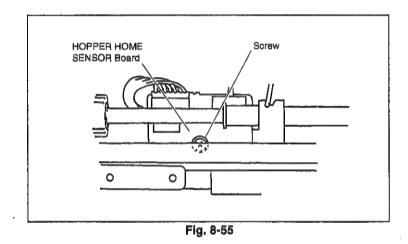


Fig. 8-54

8.4.7 HOPPER HOME SENSOR Board

- 1) Remove Exit Conveyor. (See 8.2.15)
- Remove screw and HOPPER HOME SENSOR Board.
- 3) Disconnect CN529 and CN530.



8.4.8 RETARD POSITION DETECTOR Board

- 1) Remove ADF Side Panel L. (See 8.2.6)
- Remove screw and RETARD POSITION DETECTOR Board.
- 3) Disconnect CN517.

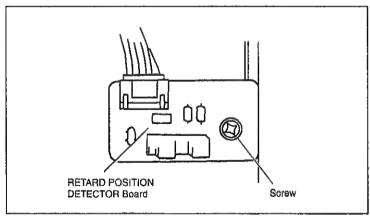


Fig. 8-56

8.4.9 DOCUMENT DETECTOR Board

- 1) Remove Hopper Tray. (See 8.2.10)
- 2) Remove 2 screws and DOCUMENT DETECTOR Board.
- 3) Disconnect CN537 and CN538.

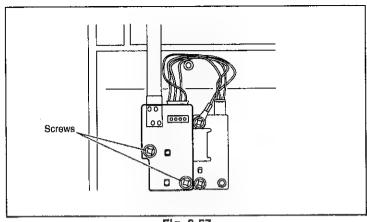


Fig. 8-57

8.4.10 SIZE SENSOR Board

- 1) Remove Outer Door. (See 8.3.21)
- 2) Remove 3 screws and SIZE SENSOR Board.
- 3) Disconnect CN521 having this Board.

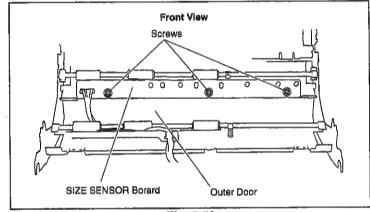


Fig. 8-58

8.4.11 SIZE LED Board

- 1) Remove Back Cover. (See 8.2.8)
- 2) Remove Inner Conveyor. (See 8.2.16)
- 3) Remove 3 screws and SiZE LED Board.
- 4) Disconnect CN524.

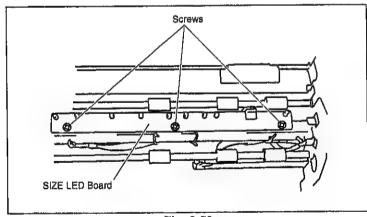


Fig. 8-59

8.4.12 DOUBLE FEED DETECTOR (G) Board

- 1) Remove Outer Door. (See 8.3.21)
- 2) Remove 3 screws(A) from Fitting Plate with DOUBLE FEED DETECTOR (G) Board.
- 3) Disconnect CN534.

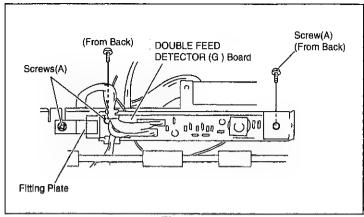


Fig. 8-60

4) Remove 2 screws(B) and DOUBLE FEED DETECTOR (G) Board.

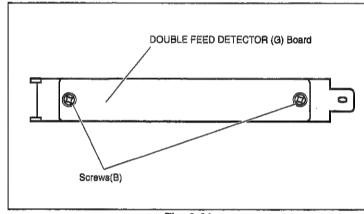


Fig. 8-61

8.4.13 DOUBLE FEED DETECTOR (R) Board

- 1) Remove Inner Conveyor. (See 8.2.16)
- 2) Remove 2 screws(A) from Fitting Plate with DOUBLE FEED DETECTOR (R) Board.
- 3) Disconnect CN535.

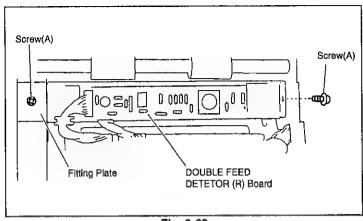


Fig. 8-62

4) Remove 2 screws(B) and DOUBLE FEED DETECTOR (R) Board.

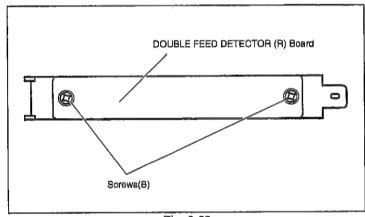


Fig. 8-63

8.4.14 STARTING POSITION LED Board

- 1) Remove Lower Conveyor 1. (See 8.2.17)
- 2) Remove 2 screws and STARTING POSITION LED Board.
- 3) Disconnect CN518.

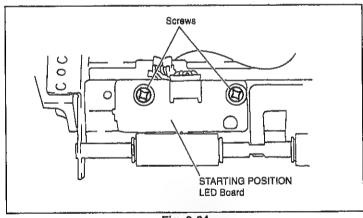


Fig. 8-64

8.4.15 STARTING POSITION SENSOR Board

- 1) Remove Paper Feed Motor. (See 8.3.16)
- 2) Remove 2 screws(A) from Fitting Plate with STARTING POSITION SENSOR Board.
- 3) Disconnect CN519 and CN520.

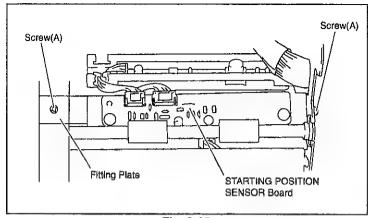


Fig. 8-65

 Remove 2 screws(B) and STARTING POSITION SENSOR Board.

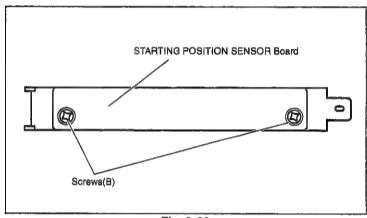


Fig. 8-66

8.4.16 ENDING POSITION LED Board

- 1) Open Document Cover.
- 2) Remove Flathead White Plate. (See 8.2.5)
- 3) Remove 2 screws and ENDING POSITION LED Board.
- 4) Disconnect CN525 and CN526.

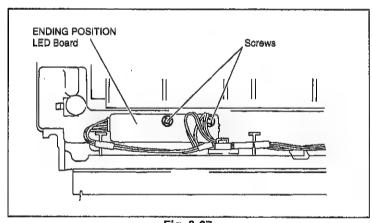


Fig. 8-67

8.4.17 ENDING POSITION SENSOR Board

- 1) Remove Exit Conveyor. (See 8.2.15)
- Remove 2 screws and ENDING POSITION SENSOR Board.
- 3) Disconnect CN531 and CN532.

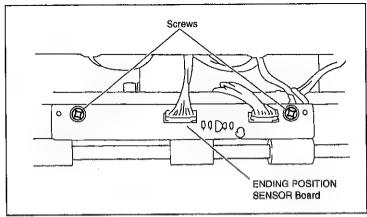
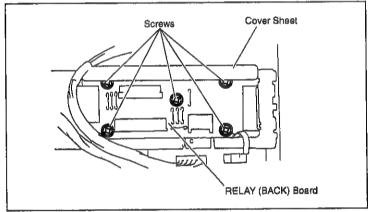


Fig. 8-68

8.4.18 RELAY (BACK) Board

- 1) Remove Back Door. (See 8.2.9)
- 2) Remove 5 screws and RELAY (BACK) Board.
- Disconnect CN501, CN502, CN503, CN504, CN505, CN513, CN515, and CN522.
 Note: See SECTION 11 BLOCK DIAGRAM for connections.



Flg. 8-69

8.4.19 RELAY (SIDE) Board

- 1) Remove ADF Side Panel L. (See 8.2.6)
- 2) Remove 4 screws and RELAY (SIDE) Board.
- 3) Disconnect all connectors from/to RELAY (SIDE) Board.

Note: See SECTION 11 BLOCK DIAGRAM for connections.

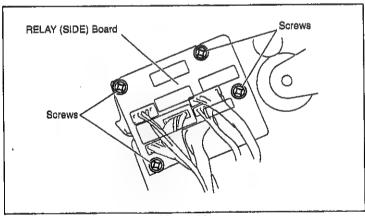


Fig. 8-70

8.4.20 CARRIAGE HOME DETECTOR Board

- 1) Remove FB Glass Base. (See 8.2.11)
- 2) Remove ADF Glass Base. (See 8.2.12)
- 3) Remove Shield Plate. (See 8.2.18)
- 4) Remove 2 screws and CARRIAGE HOME DETECTOR Board.
- 5) Disconnect CN516.



- 1) Remove Flathead White Plate. (See 8.2.5)
- 2) Remove 2 screws and DOCUMENT COVER SENSOR Board.
- 3) Disconnect CN527.

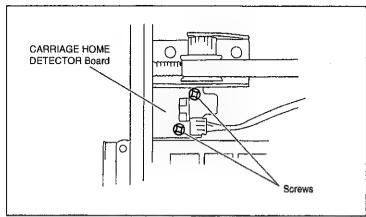


Fig. 8-71

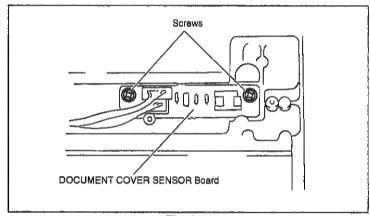


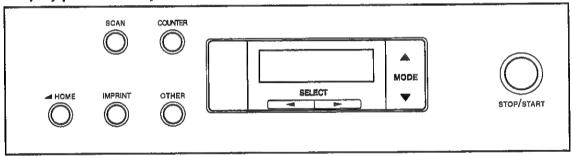
Fig. 8-72

SECTION 9 OPERATION

9.1 Specification

| Item | Content | | | | |
|-----------------------------|--|--|--|--|--|
| Indication Device | LCD Display | | | | |
| Indication Matrix | 16 Characters x 2 lines | | | | |
| Kind of Character displayed | Alphabet, Number, Square Phonetic, Japanese Syllabary | | | | |
| Indicated Contents | System Status (initializing, Ready, Scanning, Error, Warning) | | | | |
| | Setting (Scanning, Counter, Imprinter) | | | | |
| | Test Mode | | | | |
| Indicated Languages | English, German, Japanese | | | | |
| Operation Key | SCAN, COUNTER, IMPRINT, OTHERS, ▲, ▼, ◀, ▶, HOME, STOP/START | | | | |
| · | Note: Pushing each key for more than 0.5 sec enables Repeat Mode | | | | |

Display panel and keys



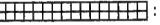
: Press to enter the scanning setting menu.

: Press to enter the counter setting menu.

: Press to enter the imprinter setting menu.: Press to enter other setting menu.

: Press to exit from the setting section and return to the ready status.
Also used to change the display language.

stop/start: Used to stop or start scanning a document.



Up to 32 characters can be displayed during scanning or setting.

: Press to advance to the next mode in the selected menu.

Press to return to the previous mode in the selected menu.

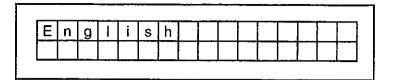
Press to advance to the next value in the selected mode.

 Press to return to the previous value in the selected mode.

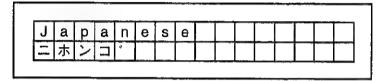
Fig. 9 - 1

Setting the language

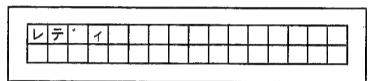
1) Turn the power on while pressing the HOME key.



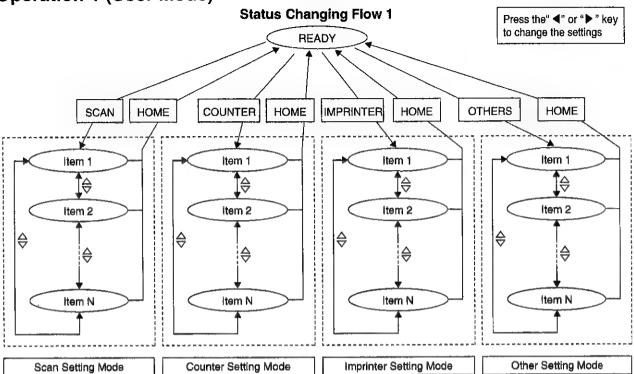
 Use the "▲" key or the "▼" key to select "English", "Japanese" or "German".



- 3) Press the HOME key.
 - The display will change to the selected language, then the scanner will be ready.
 - This setting will remain until it is changed to another setting.



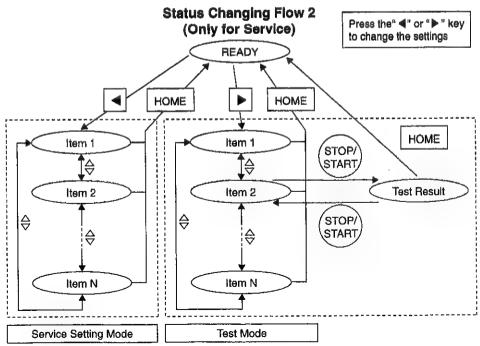
9.2 Operation-1 (User Mode)



By pressing another key, you can enter the other Setting Mode directly, without returning back the READY Mode. The Imprinter Setting Mode will operate only if the Imprinter (optional) has been installed in the Main Unit (KV-S6045W(U)/KV-S6040W(U)).

9.3 Operation-2 (Service Mode)

To enter Service Mode, turn on the Scanner while pressing the SCAN and the OTHER keys simultaneously. Service Mode includes the Service Setting Mode and Test Mode. The Service Setting Mode offers functions that are not available in Normal Mode. The Service Setting Mode has a counter display and changing the correction values, and so on. The Test Mode has a scanning test and EEPROM initialization and so on. The Service Setting Mode can be available until the power is turned off.



9.4 Setting List

9.4.1 Setting Mode and Item (User Mode)

| Mode | | Item | Setting Contents (by pushing the ■ ▶ ■ or " ◀ " key) | | | | | | | | |
|-----------|-------|---|--|---------------------|--------------------|----------------|--------------------|--------------------|--------------------|---------|---------------|
| Scan | 1 | F. Brightness | Host | D4 | D3 D2 | D1 | Normal | L1 L | .2 L3 | L4 | Host |
| Setting | 2 | F. Emphasis | Host | Smooth | None | Low | Medium | High | | | Host |
| Mode | 3 | F. Contrast | Host | H4 | -13 H2 | H1 | Norm | L1 L | 2 L3 | L4 | Host |
| | 4 | F. Halftone | Host | Binary | Dither 64 | Dither 16 | Halftone Dot 32 | Halftone Dot 64 | Error diffusion | | Host |
| | 5 | B. Brightness | Host | | D3 D2 | D1 | Normal | L1 L | .2 L3 | L.4 | Host |
| | 6 | B. Emphasis | Host | Smooth | None | Low | Medium | High | | | Host |
| | 7 | B. Contrast | Host | H4 | -13 H2 | H1 | Norm | L1 L | .2 L3 | L4 | Host |
| | 8 | 8. Halftone | Host | Binary | Dither 64 | Dither 16 | 32 | Halftone Dot 64 | diffusion | | Host |
| | 9 | Noise Reduct | Host | None | 1×1 | 2×2 | 3×3 | 4×4 | 5×5 | 6×6 | Host |
| | 10 | Double Feed | Host | Not detect | Detect | | | | | | Host |
| | 11 | Feed Speed | Normal | Slow | | | | | | | Normal |
| | 12 | Black Line | Host | Disable | Enable | | | | | | Host |
| | 13 | Scanning Mode | Actual | Fit to Page | | | | | | | Actual |
| | 14 | Scan Method | Host | Fiatbed | | | | | | | Host |
| | 15(a) | Select Memory for saving scan condition | Memory1 | Memory2 | | | | | | | Memory1 |
| | 15(b) | Set saving scan condition | Exec | | | | | , | | | |
| | 16 | Load Setting for scan condition | Memory1 | Memory2 | Default | | | | | | Memory1 |
| Counter | 1 | Disp. Counter | Scan | User | | | | | | | Scan |
| Setting | 2 | Set User Counter | 0 – | | | | | | | | 0 |
| Mode | | Set increment value for User Counter | +1 - +9 | | | | | | | | +1 |
| | L | Clear User Counter | Clear | | | | | | | | |
| Imprinter | 1 | Pre imprinter | Host | Count | | | | | | | Host |
| Setting | 2 | Pre imprinter position | 0 - 72 Char | | | | | | | | 0 |
| Mode | | | | | | | | | | | |
| Other | 1 | Version | | | | | | | | | |
| Setting | 2 | Buzzer | ON | OFF | | | | | | | ON |
| Mode | 3 | SCSI ID | 0 – 7 | | | | | | | | |
| | 4 | Terminator | Enable | Disable | | | | | | | |
| | 5 | Clean Roller Warning | % | | | | | | | | 0% |
| | | Clear "Clean Roller Warning" | Clear | | | | | | | | |
| | 6 | Replace Roller Warning | % | | | | | | | | 0% |
| | | Clear 'Replace Roller Warning" | Clear | | | | | | | | |
| | 7 | Product ID In case of KV-S6045 | KV-S6045 | KV- SS55EX | KV-SS55 | KV-SS25 | KV- SS65EXN | KV-SS65N | KV- SS50EX | KV-8850 | KV- \$6045 |
| | | | KV- SS60EXN | KV-SS60N | KV-SS855 | KV-S2055 | | | | | |
| | 7 | Product ID in case of KV-S6040 | KV-S6040 | KV- SS50EX | KV-SS50 | KV- SS60EXN | KV-SS60N | KV-SS855 | KV-S2055 | | KV- S6040 |
| | 8 | Double feed detector sensitivity | Normal | High Sensitivity | Low Sensitivity | | | | | | |

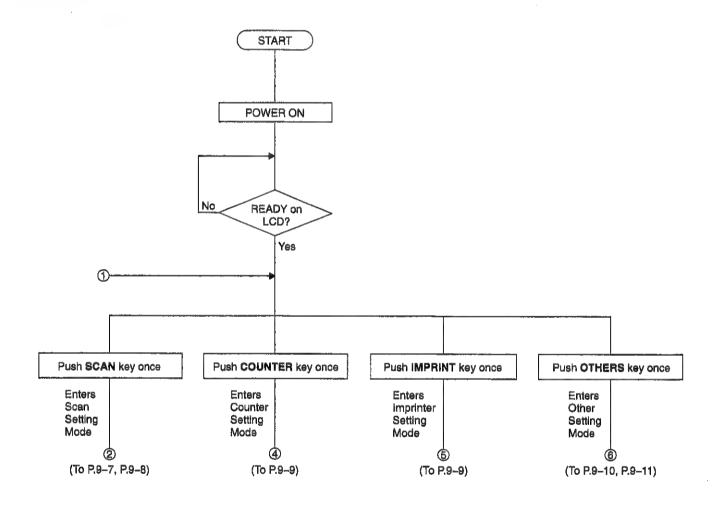
The Imprinter Setting Mode can be entered only if the Impriter is installed.

9.4.2 Setting Mode and Item (Service Mode and Test Mode)

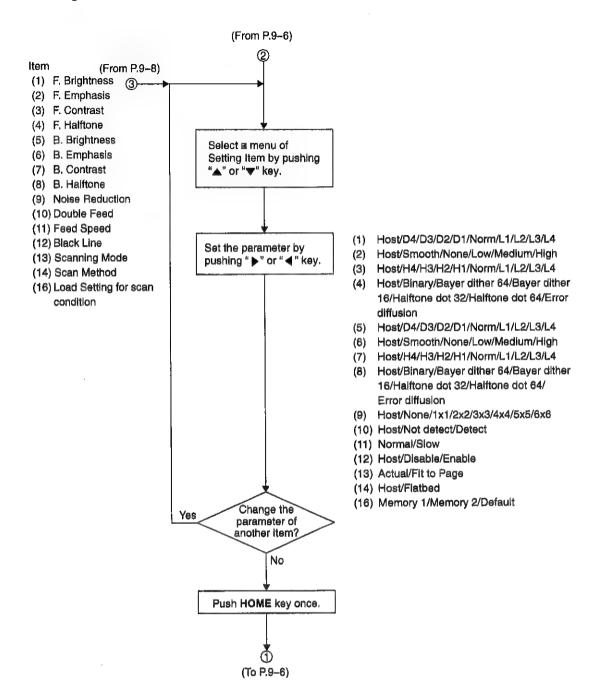
| Mode | | Item | Setting Contents (by pushing the " ▶ " or " ◀ " key) | | | | | | | | |
|-----------------|----|---|--|-------------|---|----------|----------|--|--------------|-------------|-----------|
| Service | 1 | System Counter | | | | | | | | | |
| Mode Setting | 2 | Warning Setting for Cleaning Roller | 5000 – (MAX) 1000000 | | | | | | | | |
| | 3 | Warning Setting for Replacing Roller | 5000 (MAX 1000000 |) | · · · · · · · · · · · · · · · · · · · | | | | | | 300000 |
| | 4 | Detect Size for adjusting position | A4 | Letter | | | | ······································ | | | |
| | 5 | Adjust value for Front Width manually | 1 – 128 | | | | | | | | |
| | 6 | Adjust value for Front H,position manually | 8 - 248 | | Billion pelo super que sele M. subspecies | | | | | | |
| | 7 | Adjust value for Front V.Position manually | 28 – 228 | | | | | | | | |
| | 8 | Adjust value for Paper Lenght manually | 28 – 228 | | | | | | | | |
| | 9 | Adjust value for Back H.Position manually | 118 138 | | | | | | | | |
| | 10 | Adjust value for Back V.Position manually | 28 – 228 | | | | | | | | |
| | 11 | Adjust value for FB H.Position manually | 8 - 248 | | | | | | | | |
| | 12 | Adjust value for FB V.Position manually | 28 - 228 | | | | | | | | |
| | 13 | Adjust value for FB Length manually | 28 - 228 | | | | | | | | 0 |
| | 14 | Lamp | Green | Red | | | ļ | | | | Green |
| | 15 | Set Default | Exec | | | - | | | | | |
| Test Mode | 1 | Feed Test (Set Resolution and Test) | 100 – 600 | START A5 | A6 | B4 | B5 | B6 | | Max | 200 A4 |
| | | Feed Test (Set Paper Size and Test) | A4 Ltr | Lgi | A3 | Ldr | START | | | IVIAX | M4 |
| | ı | Feed Test (Set Length Control and Test) | OFF | ON | START | | | | | | |
| | 2 | Carriage Test (Set Resolution and Test) | 100 – 600 | START | | | | | | | |
| | | Carriage Test (Set | A4 | A5 | A6 | B4 | B5 | B6 | Ltr | Ldr | |
| | | Paper Size and Test) | Lgl | A3 | START | | | | | | |
| | 3 | CCD Test AMP1 | x1 | x2 | | START | | | | | |
| | | CCD Test AMP2 | 0 – 255 | START | | | | | | | |
| | 4 | B.CIS LED | 0 – 255 | START | | | | | ļ | | |
| | 5 | F.CIS Black Level | 0 - 255 | START | | | ļ | | | | |
| | 6 | B.CIS Black Level | 0 – 255 | START | | | | | | - | |
| | 7 | Document Sensor | START | | | | ļ | | | ļ | |
| | 8 | Sensor Sensitive Level | START | | | | <u> </u> | | ļ | | |
| | 9 | Door & Home Sensor | START | -0. | | | | | <u> </u> | ļ | <u> </u> |
| | 10 | Double Feed Sensitive Level | 0 - 255 | START | | | | | | | 1 |
| | 11 | Hopper Test | START | | <u> </u> | <u> </u> | | | - | | |
| | 12 | Conveyor Motor | START | | ļ | ļ | | | | | + |
| | 13 | Feed Motor Adjust Width | START | | | | | | | | |
| | 15 | Automatically Adjust FrontH.Position Automatically | | | | | | | | | 1 |
| | 16 | Adjust Front V. Position Automatically | START | | | | | | | | |
| | 17 | Adjust Paper Length Automatically | START | | | | | | | | |
| | 18 | Adjust Back H.Position Automatically | START | | | | | | | | |
| | 19 | Adjust Back V.Position Automatically | START | | | | | | - | | |
| | 20 | Adjust FB H.Position Automatically | START | | | | | | 1 | | 1 |
| | 21 | Adjust FB V.Position Automatically | START | - | | | | - | | | |

| Mode Test Mode | 22 | Item Adjust F8 Length Automatically | Setting Contents (by pushing the " ▶ " or " ◀ " key) | | | | | | | | |
|----------------------|----|---|--|--|--|--|--|--|--|--|--|
| | | | START | | | | | | | | |
| | 23 | Adjust All Position & Length Automatically | START | | | | | | | | |
| | 24 | Aging | START | | | | | | | | |
| | 25 | Init. EEPROM | START | | | | | | | | |
| | 26 | Adjust Shading Automatically | START | | | | | | | | |
| | 27 | Adjust Double Feed detector | START | | | | | | | | |

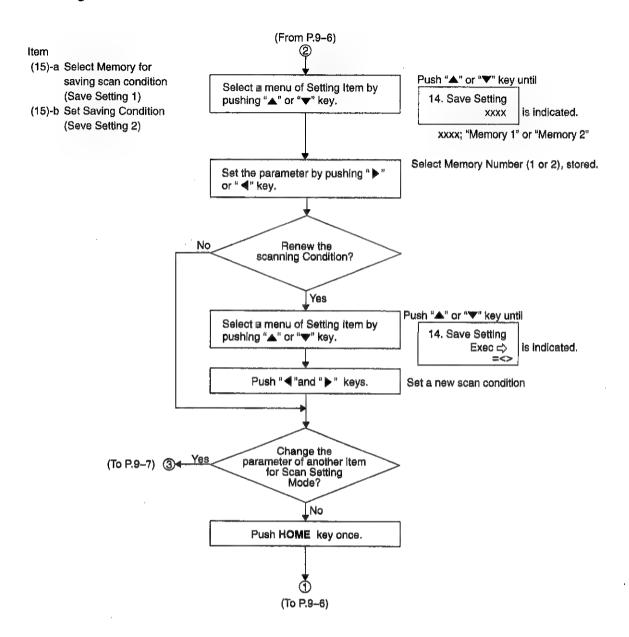
9.5 Setting Operation (User Mode)



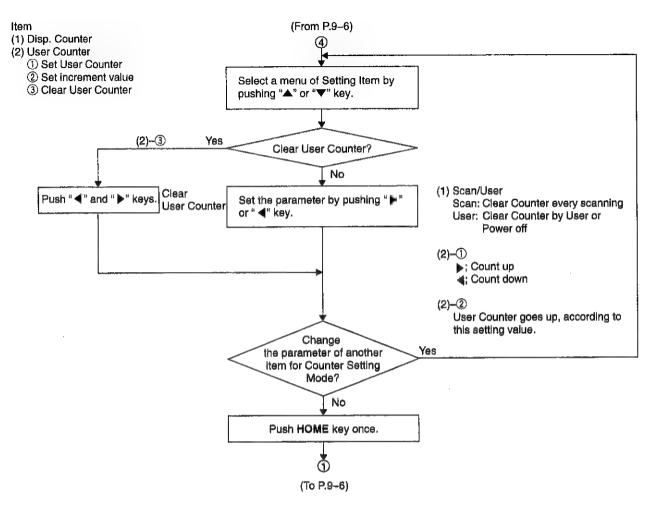
9.5.1 Scan Setting Mode-1



9.5.2 Scan Setting Mode-2

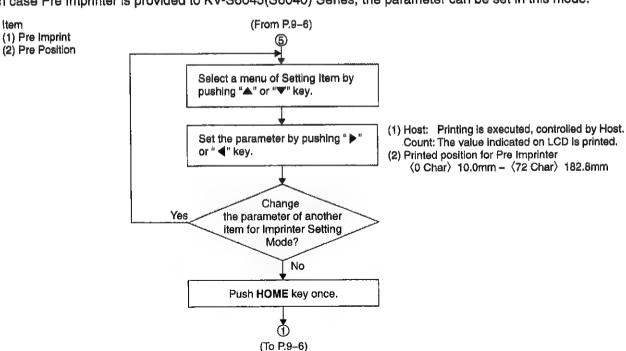


9.5.3 Counter Setting Mode

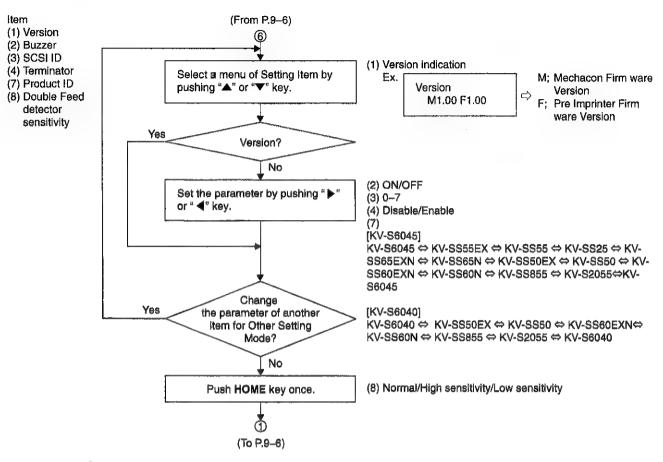


9.5.4 Imprinter Setting Mode (Option)

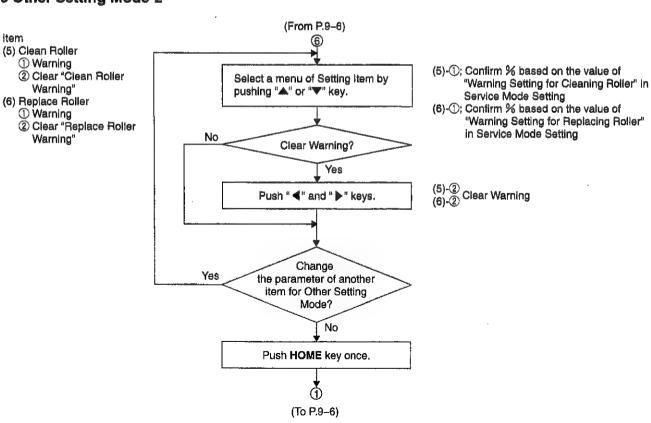
Only in case Pre Imprinter is provided to KV-S6045(S6040) Series, the parameter can be set in this mode.



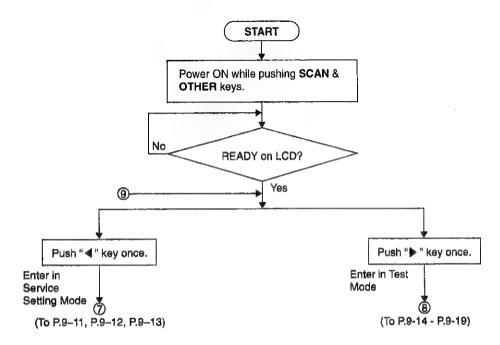
9.5.5 Other Setting Mode-1



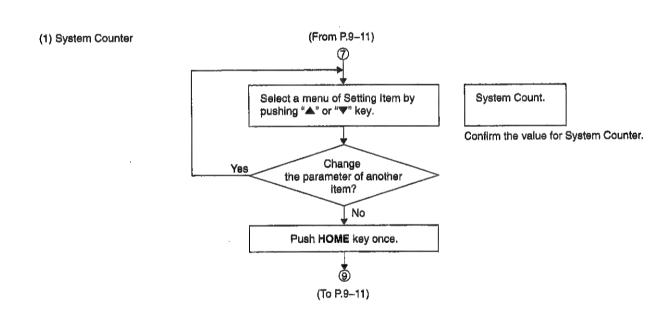
9.5.6 Other Setting Mode-2



9.6 Setting Operation(Service Mode)



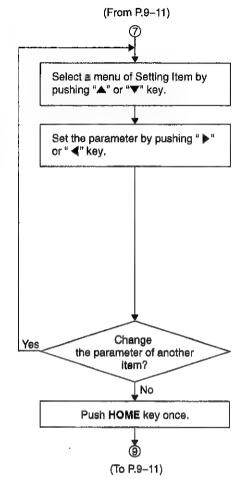
9.6.1 Service Mode Setting-1



9.6.2 Service Mode Setting-2

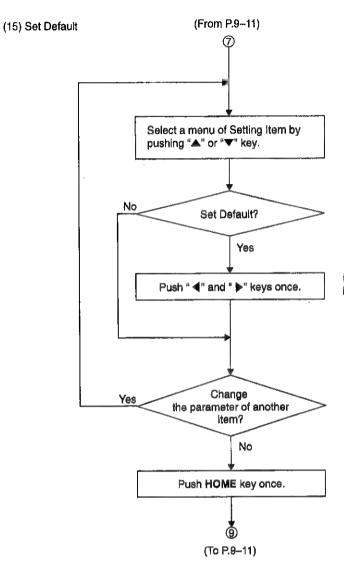
- (2) Warning Setting for Cleaning Roller(3) Warning Setting for Replacing Roller

- Detect Size for Adjusting Position Adjust value for Front Width manually
- (6) Adjust value for Front H. Position manually
- Adjust value for Front V. Position manually
- Adjust value for Paper Length manually
- (9) Adjust value for Back H. Position manually
- (10) Adjust value for Back V. Position manually
- (11) Adjust value for FB H. Position manually
- (12) Adjust value for FB V. Position manually
- (13) Adjust value for FB Length manually
- (14) Lamp



- (2) Set scanning paper value to clean roller. Default; 50,000_
- (3) Set scanning paper value to replace roller Default; 300,000_
- (4) A4/Letter
- (5) **◀**; 0.1% Reduce
 - ▶; 0.1% Expand
- (6) ▶; 0.1mm to the right
- **◀**; 0.1mm to the left
- (7) ▶; 0.1mm to Lower side
- ◀; 0.1mm to upper side
- (8) ▶; 0.1% Longer ◀; 0.1% Shorter
- (9) Same as (5)
- (10) Same as (6)
- (11) ▶; 0.1mm to the right
- ◀; 0.1mm to the left
- (12) ▶; 0.1mm to lower side
- ■: 0.1mm to upper side
- (13) ▶; 0.1% longer ◀; 0.1% Shorter
- (14) Green/Red

9.6.3 Service Mode Setting-3



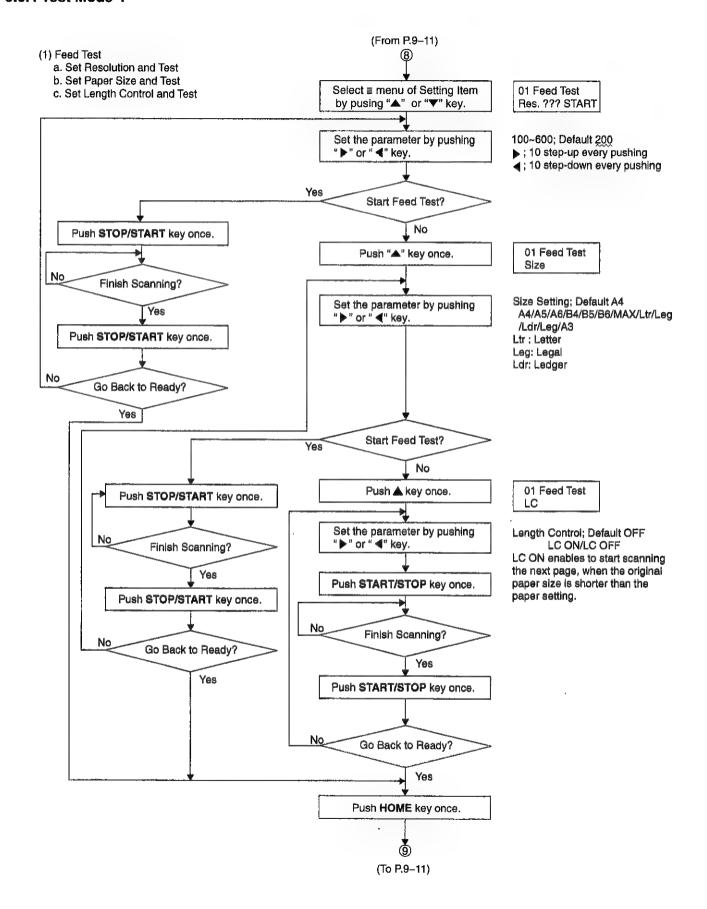
Pushing "◀" and "▶" keys changes setting on LCD into default except for the following contents.

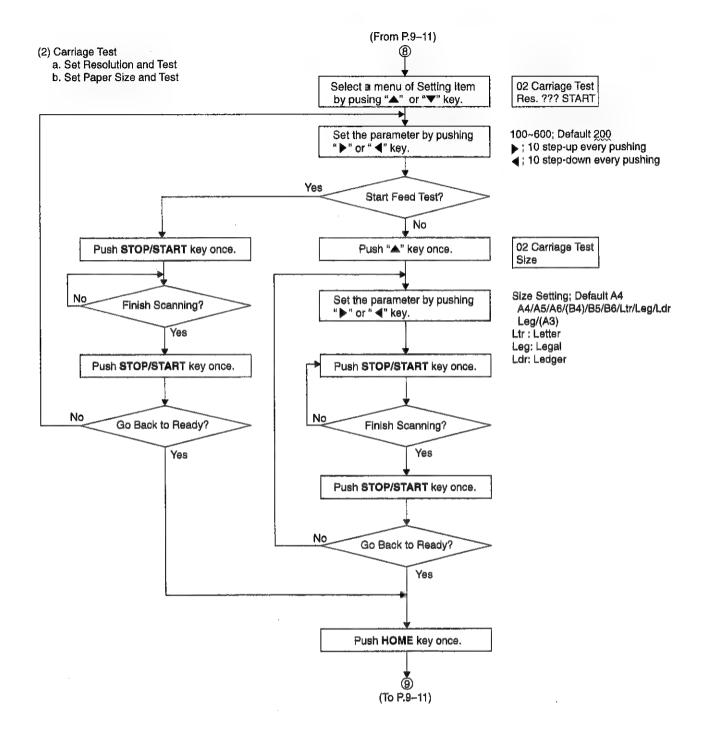
• SCSI ID 0-7

• Terminator ON/OFF

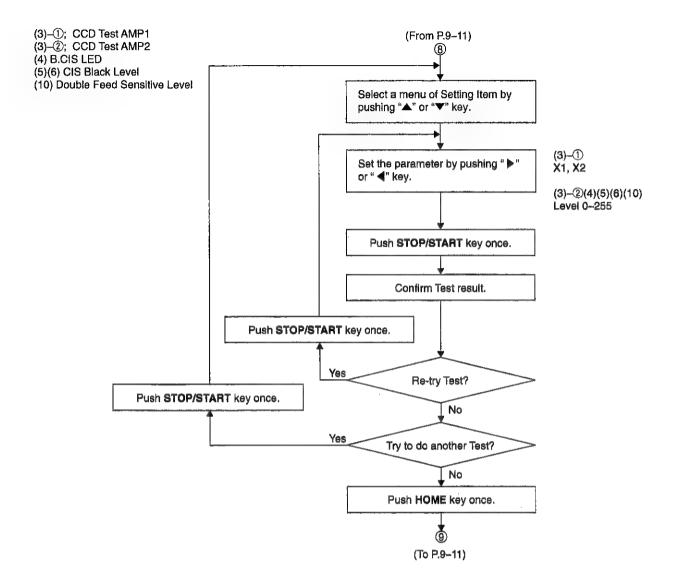
- System Counter
 Adjust value for scanning position
 Language on LCD

9.6.4 Test Mode-1

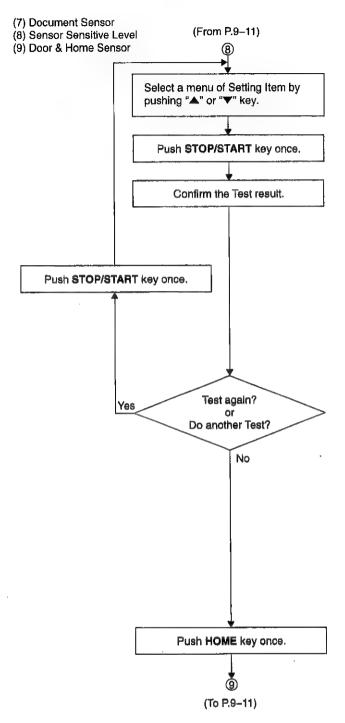




9.6.5 Test Mode-2



9.6.6 Test Mode-3



Select Sensor Test ((7) or (8) or (9))

Execute Sensor Test

| (7) | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|------|---|--|
| P | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | S | E | | | |
| 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | | _ | |

- P: Status of Paper Detector
- 0,1, 2, 3, 4, 5, 6, 7,8: Each status of Size Sensors 0–8

 * When this status value is "1", it means the paper is in this scanner.
- S : Status of Starting Position Sensor
- E: Status of Ending Position Sensor

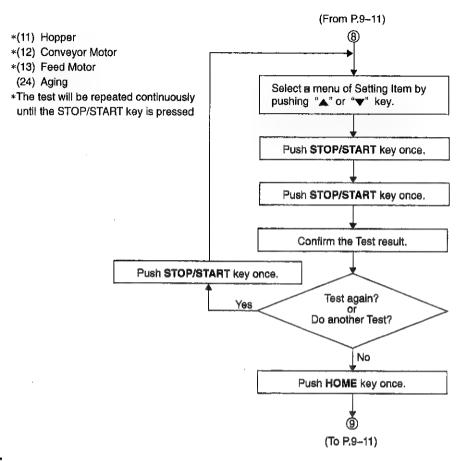
| (8) | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Р | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | S | E | ŀ | | |
| X | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |

- P: Status of Paper Feed Sensor (x: No adjustment for the
- S: Status of Starting Positon Sensor; 0-F (Adjustment level; F: Darker)
- E: Status of Ending (Front) Position Sensor; 0-F (Adjustment level; F: Darker)
- 0, 1, 2, 3, 4, 5, 6, 7, 8 : Each status of Size Sensors 0-8;

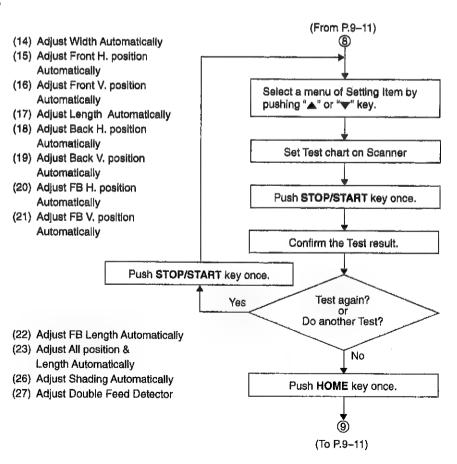
| (9) | | | | | | | | | | | |
|-----|---|---|---|--|--|--|--|---|------|---|---|
| F | Α | Т | D | | | | | Н | С | R | ı |
| 0 | 1 | 0 | 0 | | | | | 1 | 0 | 0 | |

- F: Status of Front Door
- A: Status of ADF Door
- T: Status of Top Door
- D: Document Cover
- *When this status value is "1", II means door open.
- H: Hopper Position Sensor (Value "1" means Hopper Is in home)
- C: Carriage Position Sensor (Value "1" means Carriage is in home)
- R: Retard Position Sensor (Value "1" means Retard `position is released)

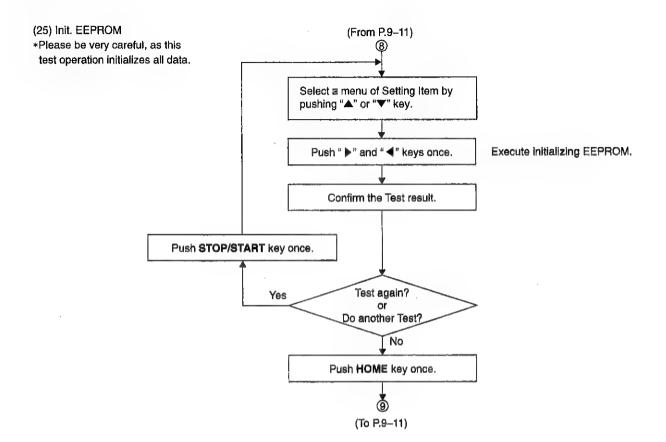
9.6.7 Test Mode-4



9.6.8 Test Mode-5



9.6.9 Test Mode-6



9.7 Error Code

Error Code Outline

| ST1 | Error Content |
|------|-------------------------------|
| 0x0- | Communication Error |
| 0x1- | Paper Jam Error |
| 0x2- | Door Open Error |
| 0x3- | Mechanical Function Error |
| 0x4- | Paper (Document) Sensor Error |
| 0x5- | Scanning Error |
| 0x6- | • |
| 0x7- | - |
| 0x8- | Hardware Error |
| 0x9- | Hardware Error |
| 0xA- | ы |
| 0xB- | |
| 0xC- | • |
| 0xD- | - |
| 0xE- | - |
| 0xF- | - |

Note: (1) How to confirm Table 9-1

(ex.)

0x0-shows Communication Error for

00 to 0A of ST1 bit.

(2) "-" in Error Content is not used.

Table 9-1

Error Code

| Classified Code | ST1 | ST2 | ST3 | ST4 | | Content | |
|--------------------|-----|-----|-----|-----|--|-----------------------------|-------------------------|
| | 00 | X | Х | Х | No error | | |
| | 01 | X | 00 | 00 | System Reset | | |
| * | 03 | 00 | X | 00 | Mechanical Function Command Error | Undefined Code | (ST3=code) |
| 10 | _ | 01 | Х | Х | | Transmitted Data Length | (ST3, 4=length) |
| • | | 02 | X | х | | Parameter Contents | (ST3, 4=position) |
| | 04 | 00 | X | 00 | Imprint Command Error | Undefined Code | (ST3=code) |
| pa . | | 01 | _ X | Х | | Transmitted Data Length | (ST3, 4=length) |
| | _ | 02 | Х | х | | Parameter Contents | (ST3, 4=position) |
| = | 06 | 00 | 00 | 00 | Imprint Communication Error | | |
| | 07 | 00 | 00 | 00 | Imprint Data Error | | |
| - | 09 | 00 | 00 | 00 | Bar-code Detection Error | | |
| • | 0A | 00 | 00 | 00 | Stop by the STOP/STARTKey | | |
| U10 | 10 | 00 | 00 | 00 | No Paper Error | | |
| U11 | 11 | х | 00 | 00 | Paper Feed Jam(when paper does not reach | n Size Sensor 0): ST2 show | ws the rest numbers |
| U12 | 12 | | 00 | 00 | (approx.) of paper. | Desition Ossessia OTO since | |
| UIZ | 12 | X | 00 | 00 | Jam 1 (when paper does not reach Starting (approx.) of paper. | Position Sensor): S12 sno | ws the rest numbers |
| U14 | 14 | X | 00 | 00 | Jam 3 (when paper does not reach Ending P (approx.) of paper. | osition Sensor): ST2 show | vs the rest numbers |
| U16 | 16 | Х | 00 | 00 | Scan-out Jam 1 (when paper does not pass numbers (approx.) of paper. | Ending Position Sensor): | ST2 shows the rest |
| U18 | 18 | Х | 00 | 00 | Leave the paper in this scanner | * (ST2: Paper position Info | ormation) |
| U20 | 19 | 00 | 00 | 00 | Skew Error | | |
| U21 | 1A | 00 | 00 | 00 | Paper Size Error | | |
| U22 | 1B | 00 | 00 | 00 | Paper Length Error | | |
| U23 | 1C | 00 | 00 | 00 | Double Feed Error | (ST2:0=Original at wait po | sition 1=No original at |
| | | | | | | wait position 2=Length 3 | =Supersonic Frequency) |
| U30 | 20 | 00 | 00 | 00 | Front Door Open | | |

| Classified Code | ST1 | ST2 | ST3 | ST4 | | Content |
|--------------------|----------|-----|-----|-----|---|--|
| U31 | | | | | ADF Door Open | |
| U34 | 24 | 00 | 00 | 00 | Imprinter Door Open | |
| U35 | 25 | 00 | 00 | 00 | Document Cover Open | |
| F40 | 30 | 00 | 00 | 00 | Hopper Drive Error | |
| F41 | 31 | х | 00 | 00 | Carriage Drive Error | (ST2:0 = Reverse direction 1=Forward direction) |
| F50 | 40 | 00 | 00 | 00 | Size Sensor 0 Error | |
| F51 | 41 | 00 | 00 | 00 | Staring Position Sensor Error | |
| F55 | 45 | 00 | 00 | 00 | Ending Position Sensor Error | |
| F60 | | | | | Front-side gain Error | |
| F71 | 48 | | | | Size Sensor 1 Error | |
| F72 | 49 | | | | Size Sensor 2 Error | |
| F73 | 4A | | | | Size Sensor 3 Error | |
| F74 | 4B | | | | Size Sensor 4 Error | |
| F75 | 4C | | | | Size Sensor 5 Error | |
| F76 | 4D | | | | Size Sensor 6 Error | |
| F77 | 4E | | | | Size Sensor 7 Error | |
| F78 | 4F | | | | Size Sensor # Error | (0770 PM |
| F80 | 60 | X | X | 00 | Double Feed Sensor Error | (ST2: DA output Value, STS3: AD input value) |
| F61 | 51 | 00 | 00 | 00 | Front-side Black Level Error | |
| F63 | 53 54 | 00 | 00 | 00 | Back-side Black Level Error | /OTCO: AD innerted to |
| H68 F69 | 55 | | X | 00 | Front-side Lamp Lighting Error Back-side Lamp Lighting Error | (STS3: AD input value) (STS2: Lighting Value, STS3: AD input value) |
| U41 | 58 | 00 | 00 | 00 | Scanning Position Adjustment (Auto Mode) | |
| F10 | 80 | 00 | 00 | 00 | Program ROM Error on MAIN CONTROL Box | |
| F11 | 81 | × | × | × | Work RAM Error on MAIN CONTROL Board | |
| F17 | 87 | 00 | 00 | 00 | On Board DRAM Error | (0121) 010; 11.11441000) |
| F18 | 88 | 00 | 00 | 00 | SIMM 1 Error | |
| F19 | 89 | 00 | 00 | 00 | SIMM 2 Error | |
| F20 | 8A | х | Х | Х | Bar-code RAM Error | (ST2: Data) (ST3, 4: Address) |
| F21 | 8B | х | х | Х | Black Shading RAM Error | (ST2: Data) (ST3, 4: Address) |
| F22 | 8C | Х | х | х | White Shading RAM Error | (ST2: Data) (ST3, 4: Address) |
| F23 | 8D | х | х | Х | A-Buffer RAM Error | (ST2: Data) (ST3, 4: Address) |
| F24 | 8E | х | х | Х | B-Buffer RAM Error | (ST2: Data) (ST3, 4: Address) |
| F25 | 8F | X | Х | Х | C-Buffer RAM Error | (ST2: Data) (ST3, 4: Address) |
| F26 | 90 | х | х | Х | Gumma RAM Error | (ST2: Data) (ST3, 4: Address) |
| F27 | 91 | х | х | Х | MTF1 RAM Error | (ST2: Data) (ST3, 4: Address) |
| F28 | 92 | х | х | х | MTF2 RAM Error | (ST2: Data) (ST3, 4: Address) |
| F29 | 93 | х | x | x | MTF3 RAM Error | (ST2: Data) (ST3, 4: Address) |
| F30 | 94 | x | x | х | ED1 RAM Error | (ST2: Data) (ST3, 4: Address) |
| F31 | 95_ | X | X | Х | ED2 RAM Error | (ST2: Data) (ST3, 4: Address) |
| F34 | 98 | 00 | 00 | 00 | EEPROM Error | |
| F35 | 99 | 00 | DO | 00 | SCSI TIARA Error | |
| F36 | 9A | 00 | 00 | 00 | GA Sensor Error | A STATE OF THE STA |
| F37 | 9B | 00 | 00 | 00 | GA Image Error | |
| U50 | A0 | 00 | 00 | 00 | Not installed I/F Board | |

Table 9-2



SECTION 10 TROUBLESHOOTING

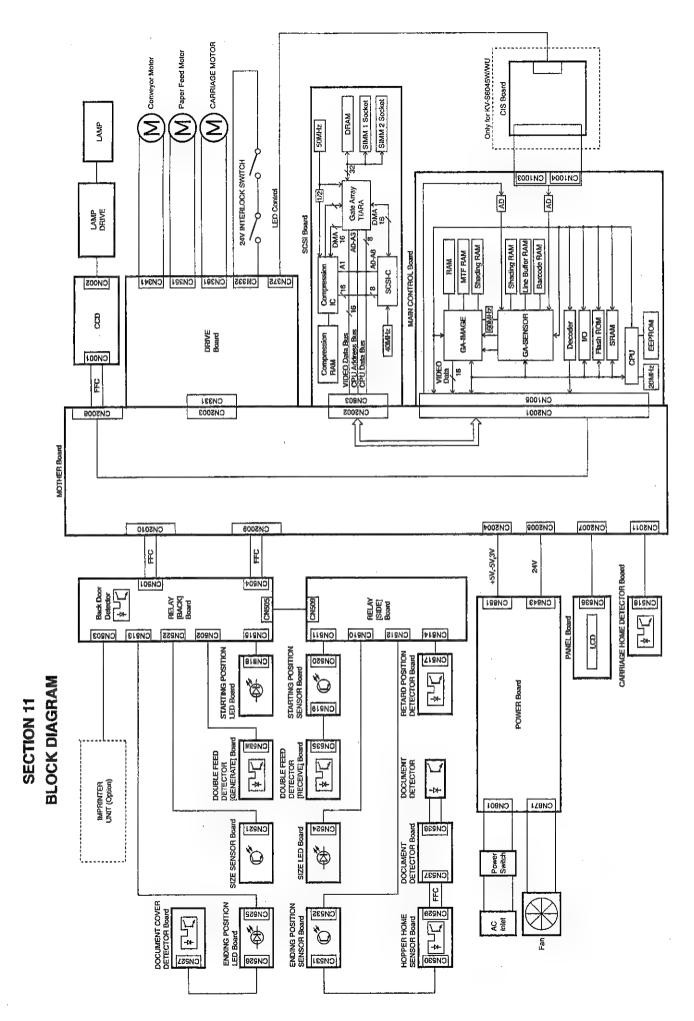
Error Code for KV-S6045(S6040) as shown in Table 9-1. (See 9.7)

| Classified Code | Е | rror | Coc | le | Possible Cause | Check Point |
|--------------------|----|------|-----|----|---|---|
| U10 | 10 | 00 | 00 | 00 | Paper Detector does not work. 1) Paper has not been properly set. 2) The back side of the last scanning is black. 3) A connector for the sensor signal is loosen. 4) Paper Detector is damaged. | Fix the torn or ripped paper. Place a white sheet of paper on the bottom sheet of the original, as a dummy. Confirm operation of the sensor in Test Mode. If the sensor does not work, the connector has come loose. Attach the connector correctly. Check whether the cable and or Sensor board are broken. |
| U11 | 11 | xx | 00 | 00 | Paper does not feed in the correct timing. 1) Slip caused by dirt of the roller. 2) Conveyor has not been set properly. 3) Double Feed. 4) Sensor error. | Replace the Paper Feed Roller, Separation Roller, or Retard Roller if they are worn down. Set conveyor properly. Clean the Separation Roller and Retard Roller. Confirm whether the Retard Roller is properly set. Replace the Paper Feed Roller, Separation Roller, or Retard Roller if they are worn down. Clean any paper dust off of the sensor section. |
| U12 | 12 | × | 00 | 00 | Paper does not reach to the Starting Position Sensor. 1) Paper Feed Roller, Separation Roller, and Retard Roller are silpping. 2) Following Paper which cause Double Feed is left, inside unit. 3) Sensor error. | Clean the Paper Feed Roller, Separation Roller, and Retard Roller. Clean the Separation Roller and the Retard Roller. Clean any paper dust on the sensor section. |
| U13 | 13 | × | 00 | 00 | Paper does not reach to the Ending Position Sensor. 1) Slip caused by dirt of the roller. 2) Sensor error. 3) Conveyor has not been properly installed. | Clean the Conveyor Roller. Clean any paper dust on the sensor section. Assemble the conveyor properly. |
| U16 | 16 | xx | 00 | 00 | Paper does not pass the Ending Position Sensor. 1) Slip caused by dirt of the roller. 2) Sensor error. 3) Conveyor has not been properly installed. | Clean the Conveyor Roller. Clean any paper dust on the sensor. Assemble the conveyor properly. |

| Classified | | | | | | |
|------------|----|---------------|-----|----|---|--|
| Code | E | rror | Coc | ie | Possible Cause | Check Point |
| U18 | 18 | × | 00 | 00 | Paper remains in the equipment. The Paper Detector is ON. LED is broken. Sensor is broken. Confirm the LED and the sensor operation state. Confirm steps: Start the Doc Sensor Test in Test Mode. Open the conveyor and shine a light on the sensor. If the sensor turns ON, there is a problem with the LED. If the sensor does not turn ON, there is a problem with the sensor. Conveyor is not assembled correctly. LED or Sensor is laid down. Sensor is covered with paper dust. | 1) Remove paper. 2) ① Replace the LED. ② Replace the Sensor. ③ Assemble the conveyor properly. ④ Replace the LED or sensor. ⑤ Clean any dust on the sensor section. |
| U30 | 20 | 00 | 00 | 00 | | Check that the Front Door Switch is not being correctly shut down. Replace the Front Door Switch. |
| U31 | 21 | 00 | 00 | 00 | U31 Error Code does not turn off even through the ADF Door is closed.1) ADF Door Switch is not being correctly shut down.2) ADF Door Switch is broken. | Check that the ADF Door Switch is not being correctly shut down. Replace the ADF Door Switch. |
| U32 | 22 | 00 | 00 | 00 | U32 Error Code does not turn off even through the Back Door in closed. 1) The connector to the Back Door Detector is loosen. 2) The Back Door Detector is broken. | Connect the cables properly. Replace the sensor board. |
| U35 | 25 | 00 | 00 | 00 | U35 Error Code does not turn off even through the Document Cover is closed. 1) The connector to the Document Cover Sensor is loosen. 2) The Flat-Bed Door Detector is broken. | Connect the cables properly. Replace the sensor board. |
| F40 | 30 | | | | The Hopper Home Sensor does not operate properly. 1) The connector to the HOPPER POSITION DETECTOR Board is not properly inserted. 2) The Hopper Home Detector is broken. | Mount the connector properly. Replace the HOPPER POSITION DETECTOR Board. |
| F50 | 40 | 00 | 00 | 00 | 1) Paper dust on the sensor section. | 1) Clean the sensor section. |
| F78 | 4F | 00 | 00 | 00 | 2) LED or sensor is laid down.3) LED has reached the end of its useful life. | Straighten the LED or sensor. Replace the LED. |
| F10 | 80 | $\overline{}$ | 00 | _ | Program ROM is not correctly mounted. Download has failed. | 1) Remount ROM correctly. 2) ① Download again. ② Replace the Program ROM or the MAIN CONTROL Board. |
| F11 | 81 | ж | × | | Poor soldering around the Work RAM (IC1105,IC1106) on the MAIN CONTROL Board. (ST2: DATA) (ST3, 4: Address) | Replace the MAIN CONTROL Board. |
| F15 | 85 | 00 | 00 | 00 | Download to Imprinter has failed. | Replace the IMPRINTER Board. Confirm the cable connected to IMPRINTER Board. Soard. Confirm MAIN CONTROL Board Imprinter I/F section. |

| Classified Code | E | rror | Cod | le | Possible Cause | Check Point |
|--------------------|----|------|-----|----|---|--|
| F17 | 87 | 00 | 00 | 00 | Poor soldering around the D-RAM (IC610~ IC613) on the SCSI Board. | Replace the SCSI Board. |
| F18 | 88 | 00 | 00 | 00 | Additional SIMMs are not mounted correctly. | Remount the SIMMs. |
| F19 | 89 | 00 | 00 | 00 | Additional SIMMs are not mounted correctly. | Remount the SIMMs. |
| F20 | 8A | xx | XX | xx | Bar-code on paper is not clear. Paper powder is on the scanning position. The Bar-code is out of Code 39, ITV or CODABAR. The location of the Bar-code has been incorrectly set. | 1) Make the Bar-code clear. 2) Clean the reading section. 3) Out of specification. 4) Set the location correctly. |
| F21 | 8B | ж | xx | xx | Poor soldering on the MAIN CONTROL Board. | Replace the MAIN CONTROL Board. |
| 1 | 1 | 1 | 1 | ı | | Error Code device detected by Error Code ST1. |
| F37 | 9B | x | × | x | | 8B IC1202 8C IC1203 8D IC1205 8E IC1206 8F IC1207 90 IC1211 91 IC1212 92 IC1213 93 IC1214 94 IC1209 95 IC1210 98 IC1103 99 IC600 9A IC1201 9B IC1208 |





Explanation of Connectors

Note: Signal names which begin with asterisk (*) indicates that the corresponding signal is LOW when active.

CN1003 (MAIN) - (CIS)

| Pin No. | | Description |
|---------|----------|------------------------------|
| 1 | CIS IN 1 | Contact Image Sensor Signal1 |
| 2 | AGND | Analog Ground |
| 3 | +5V | +5V |
| 4 | -5V | -5V |
| 5 | CISSP1 | Start Pulse1 for CIS |
| 6 | GND | Ground |
| 7 | CISCLK1 | Clock1 for CIS |
| 8 | GND | Ground |

CN1004 (MAIN) - (CIS)

| | 1 (1111) (| . |
|---------|---------------|------------------------------|
| Pin No. | Signal Name | Description |
| 1 | CIS IN2 | Contact image Sensor Signal2 |
| 2 | AGND | Analog Ground |
| 3 | +5V | +5V |
| 4 | -5V | -5V |
| 5 | CISSP2 | Start Pulse2 for CIS |
| 6 | GND | Ground |
| 7 | CISCLK2 | Clock2 for CIS |
| 8 | GND | Ground |
| 9 | CIS SIZE DET1 | CIS Size detect1 |
| 10 | CIS SIZE DET2 | CIS Size detect2 |

CN1005 (MAIN) - CN2001 (MOTHER)

| Pin No. | Signal Name | Description |
|---------|--------------|--------------------------------|
| 1 | AGND | Analog Ground |
| 2 | AGND | Analog Ground |
| 3 | CCD EVEN | CCD EVEN Data |
| 4 | -5V | -5V |
| 5 | CCD ODD | CCD ODD Data |
| 6 | AGND | Analog Ground |
| 7 | CCDROG | CCD ROG |
| 8 | GND | Ground |
| 9 | CCDCLAMP | CCD Clamp |
| 10 | CCDS/H | CCD Sample Hold |
| 11 | GND | Ground |
| 12 | CCD RST | CCD RESET pulse |
| 13 | CCD P2 | CCD DATA CLOCK 2 |
| 14 | CCD P1 | CCD DATA CLOCK 1 |
| 15 | GND | Ground |
| 16 | CCD DET2 | CCD Board detect 2 |
| 17 | CCD DET1 | CCD Board detect 1 |
| 18 | LED (RD) | LED (Red) |
| 19 | LED (GR) | LED (Green) |
| 20 | +5VA | +5V (for Analog) |
| 21 | +5VD | +5V (for Digital) |
| 22 | RESERVÉ | |
| 23 | RESERVE | |
| 24 | RESERVE | |
| 25 | RESERVE | |
| 26 | TXD0 | TXD0 for Pre Imprinter |
| 27 | RXD0 | RXD0 for Pre Imprinter |
| 28 | RTS0 | RTS0 for Pre Imprinter |
| 29 | CTS0 | CTS0 for Pre Imprinter |
| 30 | *JBIGIRQ | JBIG interrupt request |
| 31 | *ACTTER | Active Terminator Enable |
| 32 | DA LD2 | D/A Load 2 |
| 33 | ANALOG GAIN2 | GAIN Select Signal |
| 34 | ANALOG GAIN1 | (Not Used) |
| 35 | ANALOG LD | Analog Control Signal Strobe |
| 36 | RESERVE | Start Pulse for Post Imprinter |

| Pin No. | Signal Name | Description |
|----------|---------------------|---|
| 37 | +5VD | +5V (for Digital) |
| 38 | +5VD | +5V (for Digital) |
| 39 | PRE IMP SP | Start Pulse for Pre Imprinter Door Sensor |
| 40 | BUZZER | Buzzer Pulse |
| 41 | TXD2 | TXD2 for Video serial interface |
| 42 | RXD2 | RXD2 for Video serial interface |
| 43 | RTS2 | RTS2 for Video serial interface |
| 44 | CTS2 | CTS2 for Video serial interface |
| 45 | AN0 | Alternate output data bus0 |
| 46 | AN1 | Alternate output data bus1 |
| 47 | AN2 | Alternate output data bus2 |
| 48 | AN3 | Alternate output data bus3 |
| 49 | AN4 | Alternate output data bus4 |
| 50 | AN5 | Alternate output data bus5 |
| 51 | GND | Ground |
| 52 | GND | Ground |
| 53 | E (LCD) | LCD Enable |
| 54 | R/W (LCD) | LCD Read/Write Enable |
| 55 | RS (LCD) | LCD Resistor Select |
| 56 | CLK40K | Clock output 40kHz |
| 57 | D/ALD | D/A Load |
| 58 | D/ACLK D/ADATA | D/A Clock |
| 59 | | D/A Data |
| 60 61 | RESET (IMP.) *CS | Reset (for Imprint) |
| 62 | *CS | Chip Select for SCSI Chip Selectfor JBIG |
| 63 | *IRQ3 | |
| 64 | *CS6 | TIARA Interrupt request Chip Select for TIARA |
| 65 | IRQ1 | SCSI Interrupt request |
| 66 | *BUSEN | Bus Driver Enable |
| 67 | *CS CARRIGE | Chip Select for CARRIGE |
| 68 | *CS FEED | Chip Select for FEED |
| 69 | *CS CONVEYOR | Chip Select for CONVEYOR |
| 70 | *CS SIZE | Chip Select for SiZE |
| 71 | *CS KEY2 | Chip Select for KEY2 |
| 72 | *CS KEY1 | Chip Select for KEY1 |
| 73 | *CS PAPER | Chip Select for PAPER |
| 74 | *CS I/F BOARD | Chip Select for I/F BOARD |
| 75 | *RESET | Reset |
| 76 | *WAIT | CPU Wait |
| 77 | *CPUAS | CPU Address strobe |
| 78 | *CPUWR | CPU Write |
| 79 | *CPURD | CPU Read |
| 80 | GND | Ground |
| 81 | GND | Ground |
| 82 | CPUD15 | CPU Data15 |
| 83 | CPUD14 | CPU Data14 |
| 84 | CPUD13 | CPU Data13 |
| 85 | CPUD12 | CPU Data12 |
| 86 | CPUD11 | CPU Data11 |
| 87 | CPUD10 | CPU Data10 |
| 88 | CPUD9 | CPU Data9 |
| 89 | CPUD8 | CPU Data8 |
| 90 | +5VD | +5V (for Digital) |
| 91 | +5VD | +5V (for Digital) |
| 92 | CPUD7 | CPU Data7 |
| 93 | CPUD6 | CPU Data6 |
| 94 | CPUD5 | CPU Data5 |
| 95 | CPUD4 | CPU Data4 |
| 96 | CPUD3 | CPU Data3 |
| 97 | CPUD2 | CPU Data2 |

CN1005 (MAIN) - CN2001 (MOTHER) (continued)

| CN100 | CN1005 (MAIN) - CN2001 (MOTHER) (continued) | | |
|---------|---|-------------------|--|
| Pin No. | Signal Name | Description | |
| 98 | CPUD1 | CPU Data1 | |
| 99 | CPUD0 | CPU Data0 | |
| 100 | GND | Ground | |
| 101 | GND | Ground | |
| 102 | CPUA8 | CPU Address8 | |
| 103 | CPUA7 | CPU Address7 | |
| 104 | CPUA6 | CPU Address6 | |
| 105 | CPUA5 | CPU Address5 | |
| 106 | CPUA4 | CPU Address4 | |
| 107 | CPUA3 | CPU Address3 | |
| 108 | CPUA2 | CPU Address2 | |
| 109 | CPUA1 | CPU Address1 | |
| 110 | CPUA0 | CPU Address0 | |
| 111 | +5VD | +5V (for Digital) | |
| 112 | +5VD | +5V (for Digital) | |
| 113 | *FPAGE | Front Page Enable | |
| 114 | *BPAGE | Back Page Enable | |
| 115 | FWEN | Front Line Enable | |
| 116 | BWEN | Back Line Enable | |
| 117 | GND | Ground | |
| 118 | WRSTB | Vldeo Clock | |
| 119 | GND | Ground | |
| 120 | VD15 | Video Data 15 | |
| 121 | VD14 | Video Data 14 | |
| 122 | VD13 | Video Data 13 | |
| 123 | VD12 | Video Data 12 | |
| 124 | VD11 | Video Data 11 | |
| 125 | VD10 | Video Data 10 | |
| 126 | VD9 | Video Data 9 | |
| 127 | VD8 | Video Data 8 | |
| 128 | GND | Ground | |
| 129 | VD7 | Video Data 7 | |
| 130 | VD6 | Video Data 6 | |
| 131 | VD5 | Video Data 5 | |
| 132 | VD4 | Video Data 4 | |
| 133 | VD3 | Video Data 3 | |
| 134 | VD2 | Video Data 2 | |
| 135 | VD1 | Video Data 1 | |
| 136 | VD0 | Video Data 0 | |
| 137 | +3VD | +3V | |
| 138 | +3VD | +3V | |
| 139 | GND | Ground | |
| 140 | GND | Ground | |

CN603 (SCSI) - CN2002 (MOTHER)

| Pin No. | Signal Name | Description |
|---------|-------------|---------------|
| 1 | GND | Ground |
| 2 | GND | Ground |
| 3 | VD0 | Video Data 0 |
| 4 | VD1 | Video Data 1 |
| 5 | VD2 | Vldeo Data 2 |
| 6 | VD3 | Video Data 3 |
| 7 | VD4 | Video Data 4 |
| в | VD5 | Video Data 5 |
| 9 | VD6 | Video Data ■ |
| 10 | VD7 | Video Data 7 |
| 11 | GND | Ground |
| 12 | VD8 | Video Data 8 |
| 13 | VD9 | Video Data 9 |
| 14 | VD10 | Video Data 10 |
| 15 | VD11 | Video Data 11 |
| 16 | VD12 | Video Data 12 |
| 17 | VD13 | Video Data 13 |
| 18 | VD14 | Video Data 14 |
| 19 | VD15 | Video Data 15 |
| 20 | GND | Ground |

| Pin No. | Signal Name | Description |
|----------|----------------|---------------------------|
| 21 | WRSTB | Video Clock |
| 22 | GND | Ground |
| 23 | *BWEN | Back Line Enable |
| 24 | *FWEN | Front Line Enable |
| 25 | BPAGE | N.C. |
| 26 | FPAGE | N.C. |
| 27 | +5VD | +5V |
| 28 | CPUA0 | CPU Address0 |
| 29 | CPUA1 | CPU Address1 |
| 30 | CPUA2 | CPU Address2 |
| 31 | CPUA3 | CPU Address3 |
| 32 | CPUA4 | CPU Address4 |
| 33 | +5VD | +5V |
| 34 | CPUA5 | CPU Address5 |
| 35 | CPUA6 | CPU Address6 |
| 36 | CPUA7 | CPU Address7 |
| 37 | CPUA8 | CPU Address7 |
| 38 | GND | Ground |
| 39 40 | CPUD0 | Ground CPU Data0 |
| | | |
| 41 | CPUD1 CPUD2 | CPU Data1 CPU Data2 |
| 42 43 | CPUD3 | CPU Data3 |
| 44 | +5VD | +5V |
| 45 | CPUD4 | CPU Date4 |
| 46 | CPUD5 | CPU Data5 |
| 47 | CPUD6 | CPU Data6 |
| 48 | CPUD7 | CPU Data7 |
| 49 | GND | Ground |
| 50 | CPUD8 | CPU Data8 |
| 51 | CPUD9 | CPU Data9 |
| 52 | CPUD10 | CPU Data10 |
| 53 | CPUD11 | CPU Date11 |
| 54 | +5VD | +5V |
| 55 | CPUD12 | CPU Data12 |
| 56 | CPUD13 | CPU Data13 |
| 57 | CPUD14 | CPU Data14 |
| 58 | CPUD15 | CPU Data15 |
| 59 | GND | Ground |
| 60 | *CPURD | CPU Read |
| 61 | *CPUWR | CPU Write |
| 62 | *CPUAS | CPU Address strobe |
| 63 | SCWAIT | CPU Wait from TIARA |
| 64 | GND | Ground |
| 65 | *RESET | Reset |
| 66 | GND | Ground |
| 67 | *SCSI IRQ | SCSI Input request |
| 68 | *TIARACS | Chip Select for TIARA |
| 69 | *TIAIRQ | TIARA input request |
| 70 | *JBIGCS | Chip Select for JBIG |
| 71 | *SCSICS | Chip Select for SCSI |
| 72 | *VERCS | Chip Select for VER |
| 73 | CTS2 | (Not Used) |
| 74 75 | RTS2 | (Not Used) (Not Used) |
| 76 | RXD2 TXD2 | (Not Used) |
| 77 | *ACTTER | Active Terminator Control |
| 78 | *JBIGIRQ | JBIG input request |
| 79 | GND | Ground |
| 80 | GND | Ground |
| | MIND | Growing |

CN351 (DRIVE) - Paper Feed Motor

| Pin No. | Signal Name | Description |
|---------|-------------|-------------------------|
| 1 | *FA | Feed Motor phase- A () |
| 2 | _ | N.C. |
| 3 | FCOMA | 24V for Feed Motor |
| 4 | FA | Feed Motor phase- A (+) |

CN351 (DRIVE) - Paper Feed Motor (continued)

| Pin No. | Signal Name | Description |
|---------|-------------|-------------------------|
| 5 | *FB | Feed Motor phase- B () |
| 6 | FCOMB | 24V for Feed Motor |
| 7 | FB | Feed Motor phase- B (+) |

CN2003 (MOTHER) - CN331 (DRIVE)

| Pin No. | Signal Name | Description |
|---------|--------------|------------------|
| 1 | LD0 | Local Data Bus 0 |
| 2 | CS | CSFEED |
| 3 | CS | CSCAR |
| 4 | SKEW | SKEW |
| 5 | D/A DATA | DAC DATA |
| 6 | D/A CLK | DAC CLK |
| 7 | D/A LD | DAC LD2 |
| 8 | +38V | +38V |
| 9 | VCC | +5VD |
| 10 | GND | Ground |
| - 11 | GND | Ground |
| 12 | GND | Ground |
| 13 | GND | Ground |
| 14 | GND | Ground |
| 15 | +24V | +24V |
| 16 | +24V | +24V |
| 17 | LD1 | Local Data Bus 1 |
| 18 | RESET | Reset |
| 19 | LD2 | Local Data Bus 2 |
| 20 | LD3 | Local Data Bus 3 |
| 21 | CS | CSCONV |
| 22 | LD4 | Local Data Bus 4 |
| 23 | LD5 | Local Data Bus 5 |
| 24 | LD6 | Local Data Bus 6 |
| 25 | LD7 | Local Data Bus 7 |
| 26 | VCC | +5VD |
| 27 | LAMP2 SWITCH | LAMP SW2 |
| 28 | LAMP1 SWITCH | LAMP SW1 |
| 29 | GND | Ground |
| 30 | DOOR2 SWITCH | LAMP SW2 |
| 31 | DOOR1 SWITCH | LAMP SW1 |
| 32 | +24V | +24V |

CN341 (DRIVE) - Conveyor Motor

| Pin No. | Signal Name | Description |
|---------|-------------|----------------------------|
| 1 | *CA | Conveyor Motor Phase-A () |
| 2 | CCOMA | +24V for Conveyor Motor |
| 3 | CA | Conveyor Motor Phase-A (+) |
| 4 | *CB | Conveyor Motor Phase-B (-) |
| 5 | CCOMB | 24V for Conveyor Motor |
| 6 | CB | Conveyor Motor Phase-B (+) |

CN361 (DRIVE) - CARRIAGE MOTOR

| Pin No. | Signal Name | Description |
|---------|-------------|----------------------------|
| 1 | *RA | Carriage Motor Phase-A (-) |
| 2 | | N.C. |
| 3 | RCOMA | 24V for Carriage Motor |
| 4 | RA | Carriage Motor Phase-A (+) |
| 5 | *RB | Carriage Motor Phase-B (-) |
| 6 | RCOMB | 24V for Carriage Motor |
| 7 | RB | Carriage Motor Phase-B (+) |
| 8 | = | N.C. |

CN332 (DRIVE) - 24V INTERLOCK SWITCH

| Pin No. | Signal Name | Description |
|---------|-------------|------------------------------|
| 1 | +24V3 | ADF Switch for +24V |
| 2 | +24V2 | ADF Conveyor Switch for +24V |
| 3 | +24V2 | ADF Conveyor Switch for +24V |
| 4 | +24V1 | +24V |

CN372 (DRIVE) - (CIS)

| | (| <u></u> |
|---------|-------------|-------------|
| Pin No. | Signal Name | Description |
| 1 | - | N.C. |
| 2 | GREEN | Green |
| 3 | GND | Ground |
| 4 | Red | Red |
| 5 | _ | N.C. |

CN801 (POWER) - Power Switch

| Pin No. | Signal Name | Description |
|---------|-------------|-------------|
| 1 | NEUTRAL | Neutral |
| 2 | _ | N.C. |
| 3 | LIVE | Live |

CN871 (POWER) - Fan

| Pin No. | Signal Name | Description |
|---------|-------------|-------------|
| 1 | +24V0VP | +24V |
| 2 | _ | N.C. |
| 3 | FAN | Fan |

Power Switch - A/C Inlet

| Pin No. | Signal Name | Description |
|---------|-------------|-------------|
| 1 | NEUTRAL | Neutral |
| 2 | | N.C. |
| 3 | LIVE | Live |

CN2007 (MOTHER) - CN536 (PANEL)

| Pin No. | Signal Name | Description |
|---------|-------------|-----------------------|
| 1 | LD 0 | L-Data 0 |
| 2 | LD 1 | L-Data 1 |
| 3 | LD 2 | L-Data 2 |
| 4 | LD 3 | L-Data 3 |
| 5 | LD 4 | L-Data 4 |
| 6 | LD 5 | L-Data 5 |
| 7 | LD 6 | L-Data 6 |
| 8 | LD 7 | L-Data 7 |
| 9 | +5VS | +5V |
| 10 | +5VS | +5V |
| 11 | +12VS | +12V |
| 12 | LCD AS | LCD Resistor Select |
| 13 | LCDRW | LCD Read/Write Enable |
| 14 | LCD E | LCD Enable |
| 15 | BUZZEA | Buzzer Pulse |
| 16 | KEY1 | KEY1 Enable |
| 17 | KEY2 | KEY2 Enable |
| 18 | LEDGR | LED (Green) |
| 19 | LEDRD | LED (Red) |
| 20 | GND | Ground |
| 21 | GND | Ground |
| 22 | GND | Ground |

CN2010 (MOTHER) - CN501 (RELAY [BACK])

| Pin No. | Signal Name | Description |
|---------|-------------|--|
| 1 | CTS0 | CTS0 for Pre Imprinter |
| 2 | TXD0 | TXD0 for Pre imprinter |
| 3 | RTS0 | RTS0 for Pre Imprinter |
| 4 | RXD0 | RXD0 for Pre Imprinter |
| 5 | IMP RST | Imprinter Reset |
| 6 | PREIMPSP | Start Pulse for Post imprinter Door Sensor |
| 7 | +5V | +5V |
| 8 | 38V | 38V |
| 9 | 38V | 38V |
| 10 | +12V | +12V |
| 11 | GND | Ground |
| 12 | GND | Ground |
| 13 | CLK40K | Clock output 40kHz |
| 14 | +5V | +5V |
| 15 | DFGAIN | |
| 16 | +24V | +24V |
| 17 | GND | Ground |
| 18 | SIZE 0 | Paper Size Sensor 0 |
| 19 | SIZE 1 | Paper Size Sensor 1 |
| 20 | SIZE 2 | Paper Size Sensor 2 |
| 21 | SIZE 3 | Paper Size Sensor 3 |
| 22 | SIZE 4 | Paper Size Sensor 4 |
| 23 | SIZE 5 | Paper Size Sensor 5 |
| 24 | SIZE 8 | Paper Size Sensor 6 |
| 25 | SIZE 7 | Paper Size Sensor 7 |
| 26 | SIZE 8 | Paper Size Sensor 8 |
| 27 | DOOR IMP | Imprinter Door Status |
| 28 | +5V | +5V |

CN2009(MOTHER) - CN504 (RELAY [BACK])

| CN2009(MOTHER) - CN504 (HELAY [BACK]) | | |
|---------------------------------------|-------------|----------------------|
| Pin No. | Signal Name | Description |
| 1 | GND | Ground |
| 2 | GND | Ground |
| 3 | - | N.C. |
| 4 | START LED | Starting LED |
| 5 | RETARD | Retard |
| 6 | FB DOOR | Flat Bed Door Status |
| 7 | END LED | Ending LED |
| 8 | END POS | Ending Position |
| 9 | HOPP MID | Hopper MID |
| 10 | HOPP POS | Hopper Position |
| 11 | PAPER RF | LED Current Control |
| 12 | PAPER | Paper |
| 13 | START POS | Paper Position |
| 14 | DBL FEED | Double Feed |
| 15 | +12V | +12V |
| 16 | SIZE 0 | Paper Size LED 0 |
| 17 | SIZE 1 | Paper Size LED 1 |
| 18 | SIZE 2 | Paper Size LED 2 |
| 19 | SIZE 3 | Paper Size LED 3 |
| 20 | SIZE 4 | Paper Size LED 4 |
| 21 | SIZE B | Paper Size LED 5 |
| 22 | SIZE 6 | Paper Size LED 6 |
| 23 | SIZE 7 | Paper Size LED 7 |
| 24 | SIZE II | Paper Size LED 8 |
| 25 | +5V | +5V |
| 26 | +5V | +5V |

CN2011 (MOTHER) – CN516(CARRIAGE HOME DETECTOR)

| Pin No. | Signal Name | Description |
|---------|-------------|-------------|
| 1 | GND | Ground |
| 2 | CARRIAGE | Carriage |
| 3 | | N.C. |
| 4 | VCC | +5V |

CN2008 (MOTHER) - CN001(CCD Board)

| CN2008 (MOTHER) - CN001(CCD Board) | | |
|------------------------------------|-------------|------------------------------|
| Pin No. | Signal Name | Description |
| 1 | +24V | +24V |
| 2 | +24V | +24V |
| 3 | GND | Ground |
| 4 | GND | Ground |
| 5 | LAMP SW1 | LAMP SW 1 |
| 6 | LAMP SW2 | LAMP SW 2 |
| 7 | CCDDET2 | CCD Board detect 2 |
| 8 | AGND | Analog Ground |
| 9 | AGND | Analog Ground |
| 10 | CCD ODD | CCD ODD DATA |
| 11 | AGND | Analog Ground |
| 12 | CCD EVEN | CCD EVEN DATA |
| 13 | GND | Ground |
| 14 | CCDDET1 | CCD Board detect 1 |
| 15 | VCC | +5V |
| 16 | DAC DATA | DAC Data |
| 17 | DAC CLK | DAC Clock |
| 18 | CCD CLMP | CCD Clamp |
| 19 | ANLG LD | Analog Control Signal Strobe |
| 20 | GAIN2 | GAIN 2 |
| 21 | GAIN1 | GAIN1 |
| 22 | GND | Ground |
| 23 | CCD ROG | CCD ROG |
| 24 | CCD P1 | CCD DATA Clock 1 |
| 25 | CCD P2 | CCD DATA Clock 2 |
| 26 | GND | Ground |
| 27 | GND | Ground |
| 28 | CCD RST | CCD RESET pulse |
| 29 | GND | Ground |
| 30 | CCD SH | CCD Sample Hold |
| 31 | GND | Ground |
| 32 | GND | Ground |
| 33 | -5V | -5V |
| 34 | +12V | +12V |

CN503 (RELAY (BACK)) - Imprinter (Option)

| | ALICENTE (BITO) | |
|---------|-----------------|-------------------------------------|
| Pin No. | Signal Name | Description |
| 1 | CTS0 | TXD0 for Imprinter serial interface |
| 2 | TXD0 | RXD0 for Imprinter serial Interface |
| 3 | RTS0 | RTS0 for Imprinter serial interface |
| 4 | RXD0 | CTS0 for Imprinter serial interface |
| 5 | IMP RST | Imprinter Reset |
| 6 | SP | Start Signal |
| 7 | VCC | +5V |
| 8 | +38V | +38V |
| 9 | +38V | +38V |
| 10 | +12VS | +12V |
| 11 | GND | Ground |
| 12 | GND | Ground |

CN2004 (MOTHER) - CN851 (POWER)

| Pin No. | Signal Name | Description |
|---------|-------------|---------------|
| 1 | +5V | +6V |
| 2 | +5V | +5V |
| 3 | GND | Ground |
| 4 | GND | Ground |
| 5 | +3.3VD | +3.3V |
| 6 | +12V OVP | +12V |
| 7 | +5VA | +5V |
| 8 | AGND | Analog Ground |
| 9 | -5V | -5V |

CN2005 (MOTHER) - CN843 (POWER)

| Pin No. | Signal Name | Description |
|---------|-------------|-------------|
| 1 | +24V | +24V |
| 2 | +24V | +24V |
| 3 | GND | Ground |
| 4 | GND | Ground |

CN002 (CCD Board) - LAMP DRIVE

| Pin No. | Signal Name | Description |
|---------|-------------|----------------|
| 1 | GND | Ground |
| 2 | LAMP1 | Lamp Control 1 |
| 3 | GND | Ground |
| 4 | 24V | +24V |

CN529 (HOPPER HOME SENSOR) - CN537 (DOCUMENT DETECTOR)

| Pin No. | Signal Name | Description |
|---------|-------------|--------------|
| 1 | GND | Ground |
| 2 | PAPER | Paper |
| 3 | FG | Flame Ground |
| 4 | +5V | +5V |

CN526 (ENDING POSITION LED) - CN527 (DOCUMENT COVER SENSOR)

| Pin No. | Signal Name | Description |
|---------|-------------|----------------|
| 1 | GND | Ground |
| 2 | FB DOOR | FB DOOR status |
| 3 | +5V | +5V |
| 4 | +5V | +5V |

CN531 (ENDING POSITION SENSOR) - CN530 (HOPPER HOME SENSOR)

| Pin No. | Signal Name | Description |
|---------|-------------|-----------------|
| 1 | GND | Ground |
| 2 | GND | Ground |
| 3 | HOPP POS | Hopper Position |
| 4 | PAPER | Paper |
| 5 | +5V | +5V |
| 6 | +5V | +5V |
| 7 | . | N.C. |

CN513 (RELAY [BACK]) – CN525 (ENDING POSITION LED)

| Pin No. | Signal Name | Description |
|---------|-------------|--------------------|
| 1 | GND | Ground |
| 2 | GND | Ground |
| 3 | FB DOOR | Flat-Bed Door Sig. |
| 4 | END LED | Ending LED |
| 5 | +5V | +5V |
| 6 | +5V | +5V |

CN522 (RELAY [BACK]) - CN521 (SIZE SENSOR)

| Pin No. | Signal Name | Description |
|---------|-------------|---------------------------------------|
| 1 | GND | Ground |
| 2 | GND | Ground |
| 3 | _ | N.C. |
| 4 | - | N.C. |
| 5 | - | N.C. |
| 6 | SIZE 0 | Paper Size Sensor Paper Size Sensor |
| 7 | SIZE 1 | Paper Size Sensor 1 |
| 8 | SIZE 2 | Paper Size Sensor 2 |
| 9 | SIZE 3 | Paper Size Sensor ■ |
| 10 | SIZE 4 | Paper Size Sensor 4 |
| 11 | SIZE 5 | Paper Size Sensor 5 |

| Pin No. | Signal Name | Description |
|---------|-------------|---------------------|
| 12 | SIZE E | Paper Size Sensor 6 |
| 13 | SIZE 7 | Paper Size Sensor 7 |
| 14 | SIZE 8 | Paper Size Sensor B |
| 15 | +5V | +5V |
| 16 | +5V | +5V |

CN502 (RELAY [BACK]) - CN534 (DOUBLE FEED

DETECTOR (G))

| Pin No. | Signal Name | Description |
|---------|-------------|-----------------------|
| 1 | +24V | +24V |
| 2 | +24V | +24V |
| 3 | +5V | +5V |
| 4 | - | N.C. |
| 5 | DFGAIN | Double-Feed Gain Sig. |
| 6 | CLK40K | Clock Output 40kHz |
| 7 | GND | Ground |
| 8 | GND | Ground |

CN515 (RELAY [BACK]) – CN518 (STARTING POSITION LED)

| Pin No. | | Description |
|---------|-----------|--------------|
| 1 | START LED | Starting LED |
| 2 | | N.C. |
| 3 | _ | N.C. |
| 4 | _ | N.C. |
| 5 | +5V | +5V |

CN505 (RELAY [BACK]) - CN509 (RELAY [SIDE])

| Pin No. | | Description |
|---------|------------|---------------------|
| 1 | GND | Ground |
| 2 | GND | Ground |
| 3 | GND | Ground |
| 4 | - | N.C. |
| 5 | RETARD | Retard |
| - 6 | END POS | Ending Position |
| 7 | HÖPP MID | Hopper MID |
| - 8 | HOPP POS | Hopper POS |
| 9 | PAPER RF | LED Current Control |
| 10 | PAPER | Paper |
| 11 | START POS | Paper Position |
| 12 | DBL FEED | Double Feed |
| 13 | +12V | +12V |
| 14 | SIZE LED 0 | Paper Size LED 0 |
| 15 | SIZE LED 1 | Paper Size LED 1 |
| 16 | SIZE LED 2 | Paper Size LED 2 |
| 17 | SIZE LED 3 | Paper Size LED B |
| 18 | SIZE LED 4 | Paper Size LED 4 |
| 19 | SIZE LED 5 | Paper Size LED 5 |
| 20 | SIZE LED 6 | Paper Size LED 6 |
| 21 | SIZE LED 7 | Paper Size LED 7 |
| 22 | SIZE LED 8 | Paper Size LED 8 |
| 23 | +5V | +5V |
| 24 | +5V | +5V |

CN511 (RELAY [SIDE]) - CN520 (STARTING POSITION SENSOR)

| Pin No. | Signal Name | Description |
|---------|-------------|-------------------|
| 1 | GND | |
| _ | | Ground |
| 2 | GND | Ground |
| 3 | START POS | Starting Position |
| 4 | DBL FEED | Double Feed |
| 5 | +12V | +12V |
| 6 | +5V | +5V |
| 7 | +5V | +5V |

CN510 (RELAY [SIDE]) - CN524 (SIZE LED)

| 011010 | firemu [oine] | / ONOLY (OILL EED) |
|---------|---------------|--------------------|
| Pin No. | Signal Name | Description |
| 1 | SIZE LED 2 | Paper Size LED 2 |
| 2 | SIZE LED 0 | Paper Size LED ■ |
| 3 | SIZE LED 4 | Paper Size LED 4 |
| 4 | SIZE LED 1 | Paper Size LED 1 |
| 5 | SIZE LED 6 | Paper Size LED 6 |
| 6 | SIZE LED 3 | Paper Size LED 3 |
| 7 | SIZE LED B | Paper Size LED 8 |
| 8 | SIZE LED 5 | Paper Size LED 5 |
| 9 | +5V | +5V |
| 10 | SIZE LED 7 | Paper Size LED 7 |

CN514 (RELAY [SIDE]) - CN517 (RETARD POSITION DETECTOR)

| DETECTION) | | |
|------------|-------------|-------------|
| Pin No. | Signal Name | Description |
| 1 | GND | Ground |
| 2 | GND | Ground |
| 3 | RETARD | Retard |
| 4 | +5V | +5V |
| 5 | +5V | +5V |

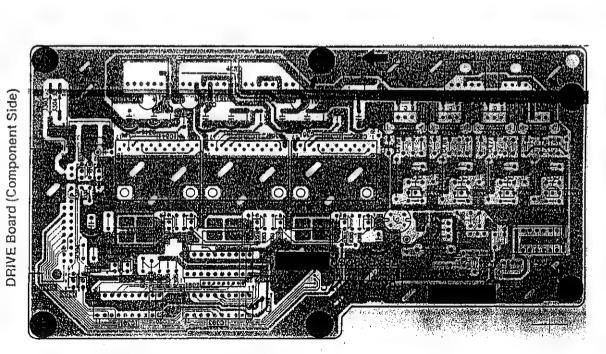
CN512 (RELAY [SIDE]) - CN532 (RETARD POSITION DETECTOR)

| Pin No. | Signal Name | Description |
|---------|-------------|---------------------|
| 1 | GND | Ground |
| 2 | GND | Ground |
| 3 | END POS | Ending Position |
| 4 | HOPP POS | Hopper Position |
| 5 | PAPER RF | LED Current Control |
| 6 | PAPER | Paper |
| 7 | +5V | +5V |
| 8 | +5V | +5V |

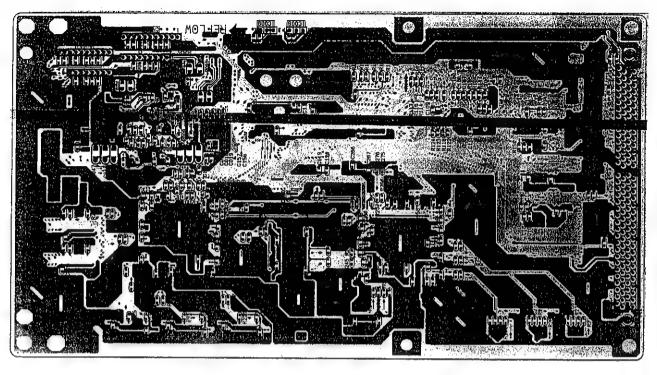
CN538 (DOCUMENT DETECTOR) - DOCUMENT DETECTED SENSOR

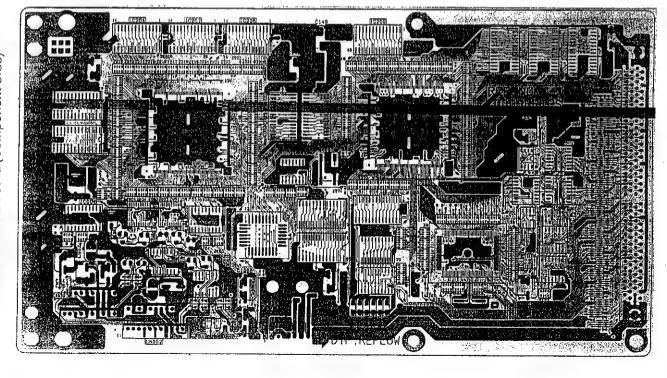
| Pin No. | Signal Name | Description |
|---------|-------------|--------------|
| 1 | GND | Ground |
| 2 | Paper | Paper |
| 3 | FG | Flame Ground |
| 4 | +5V | +5V |

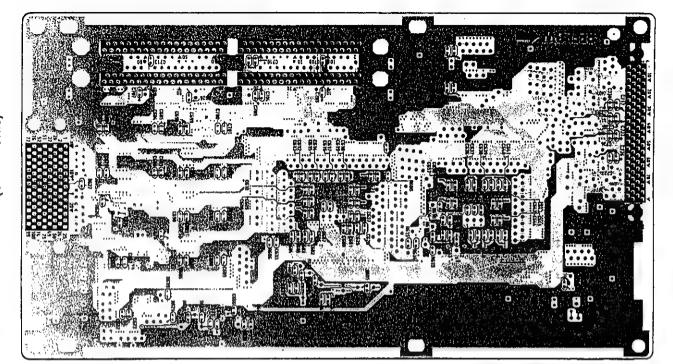


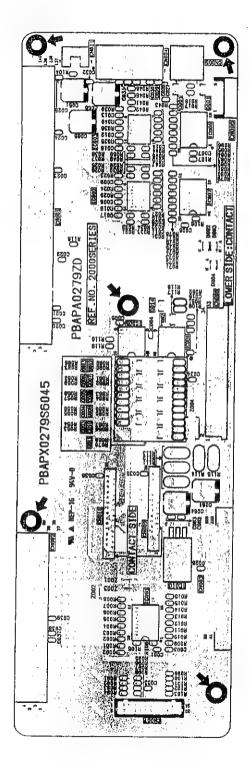


DRIVE Board (Solder Side)

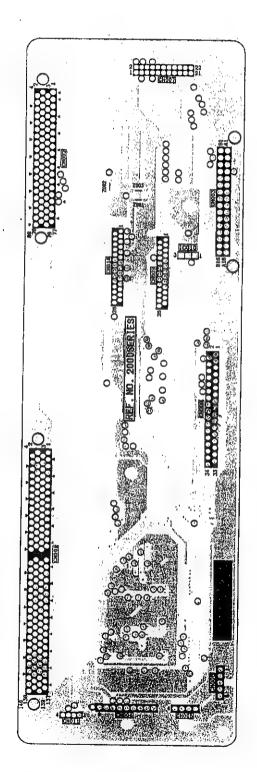


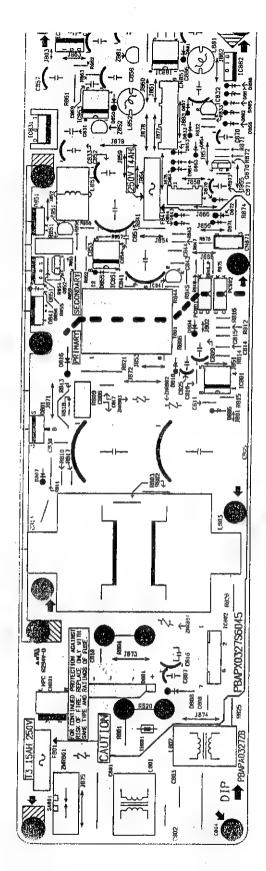




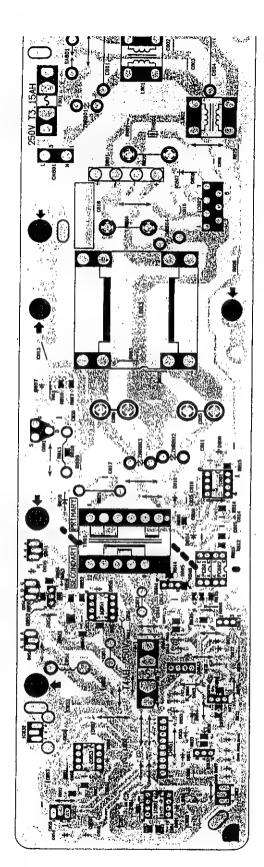


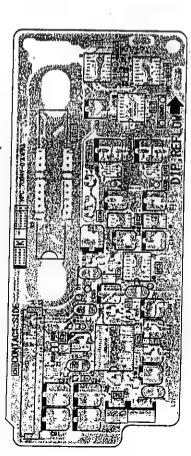
MOTHER Board (Solder Side)



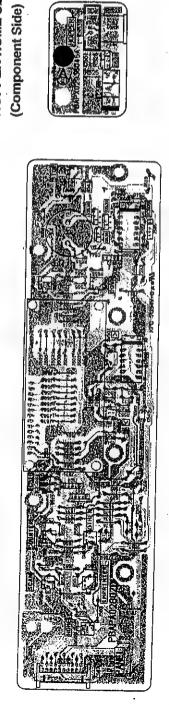


POWER Board (Solder Side)

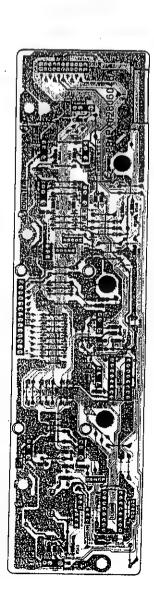




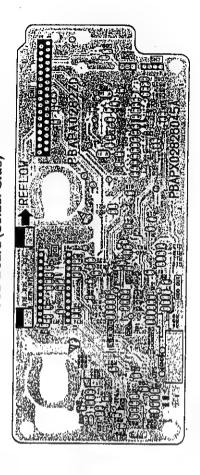
PANEL Board (Component Side)



PANEL Board (Solder Side)



CCD Board (Solder Side)



HOPPER HOME SENSOR Board HOPPER HOME SENSOR Board (Solder Side)



RETARD POSITION **DETECTOR Board** (Solder Side)

RETARD POSITION **DETECTOR Board** (Component Side)

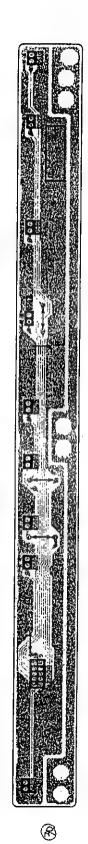




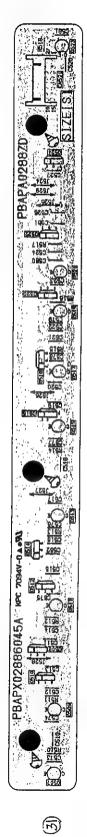
SIZE LED Board (Component Side)



SIZE LED Board (Solder Side)



SIZE SENSOR Board (Component Side)



SIZE SENSOR Board (Solder Side)



DOUBLE FEED DETECTOR (G) Board (Component Side)



DOUBLE FEED DETECTOR (R) Board (Component Side)



STARTING POSITION LED Board (Component Side)

STARTING POSITION LED Board (Solder Side)



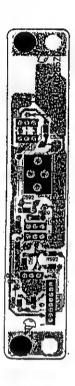
STARTING POSITION SENSOR Board (Component Side)



ENDING POSITION SENSOR Board (Component Side)



DOUBLE FEED DETECTOR (G) Board (Solder Side)



DOUBLE FEED DETECTOR (R) Board (Solder Side)



ENDING LED Board (Solder Side) ENDING LED Board (Component Side)



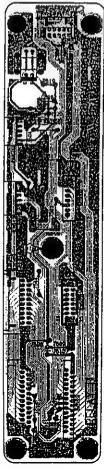
STARTING POSITION SENSOR Board (Solder Side)



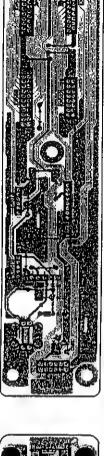
ENDING POSITION SENSOR Board (Solder Side)



RELAY (BACK) Board (Component Side)

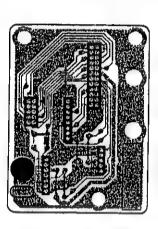


RELAY (SIDE) Board (Component Side)

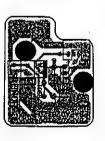


RELAY (BACK) Board (Solder Side)

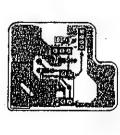
RELAY (SIDE) Board (Solder Side)



CARRIAGE HOME DETECTOR Board (Component Side)



CARRIAGE HOME DETECTOR Board (Solder Side)



DOCUMENT COVER SENSOR Board (Component Side)

DOCUMENT DETECTOR Board

(Component Side)



DOCUMENT COVER SENSOR Board (Solder Side)



DOCUMENT DETECTOR Board (Solder Side)







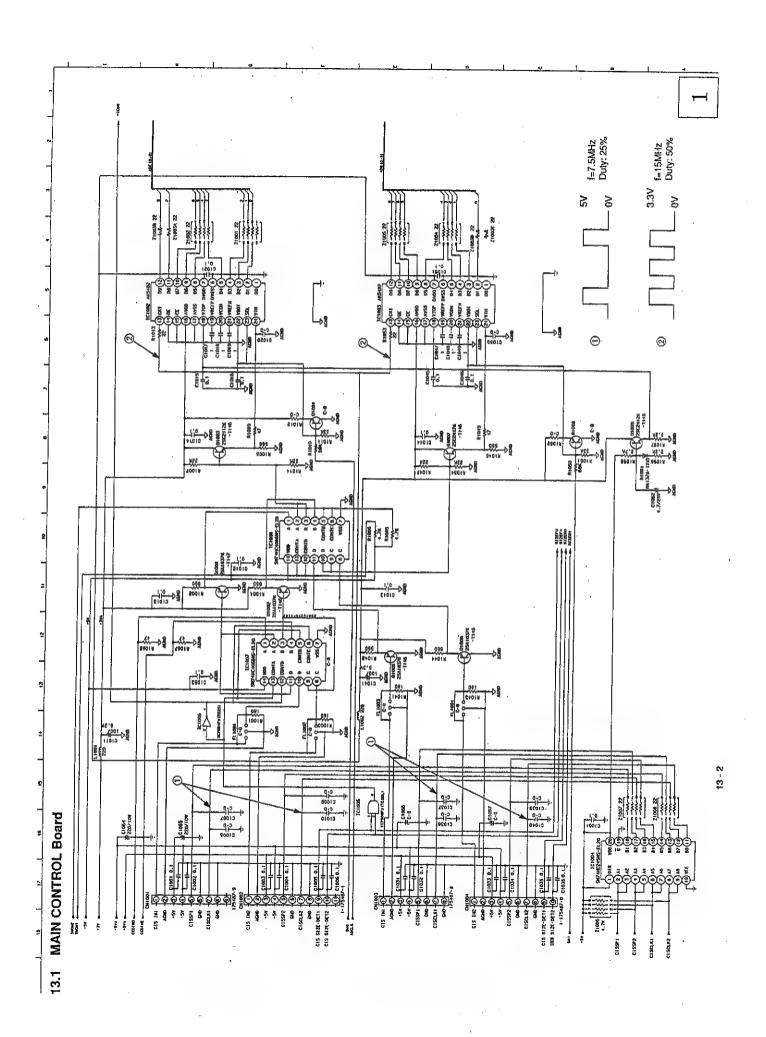
SECTION 13 SCHEMATIC DIAGRAM

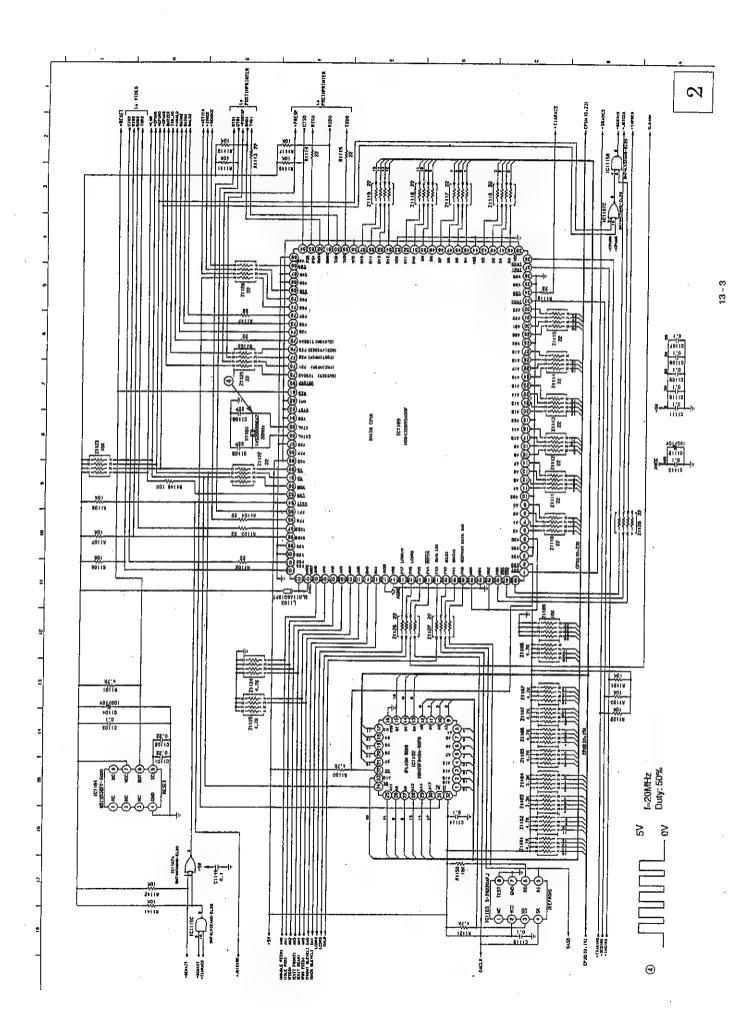
IMPORTANT SAFETY NOTICE

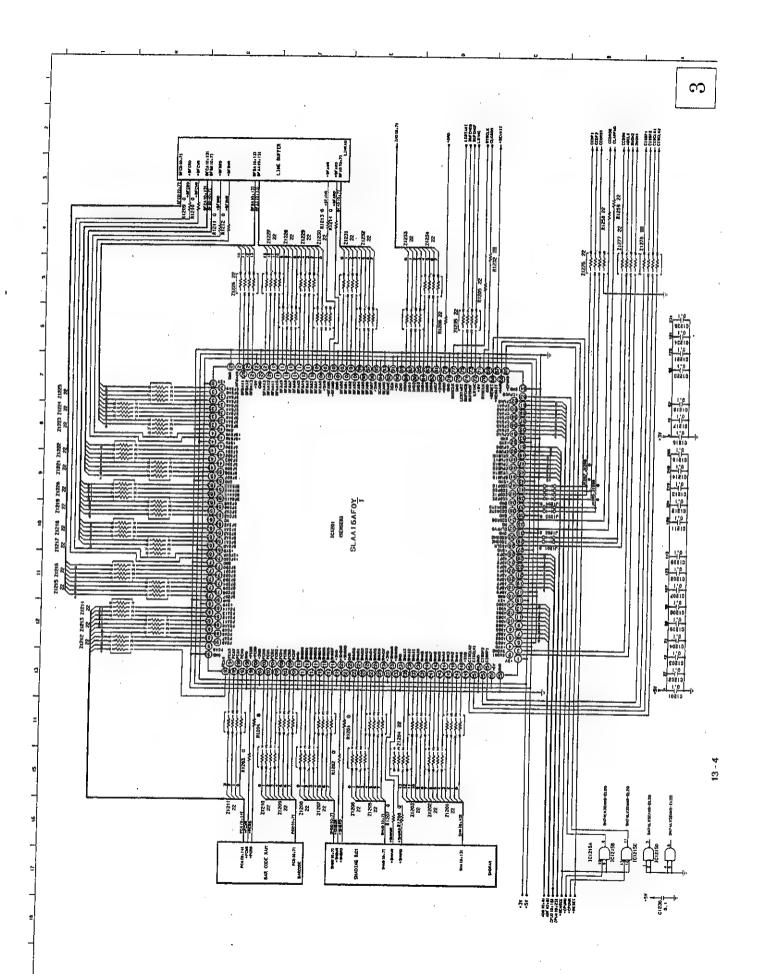
THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM FIRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING, IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THIS SCHEMATIC.

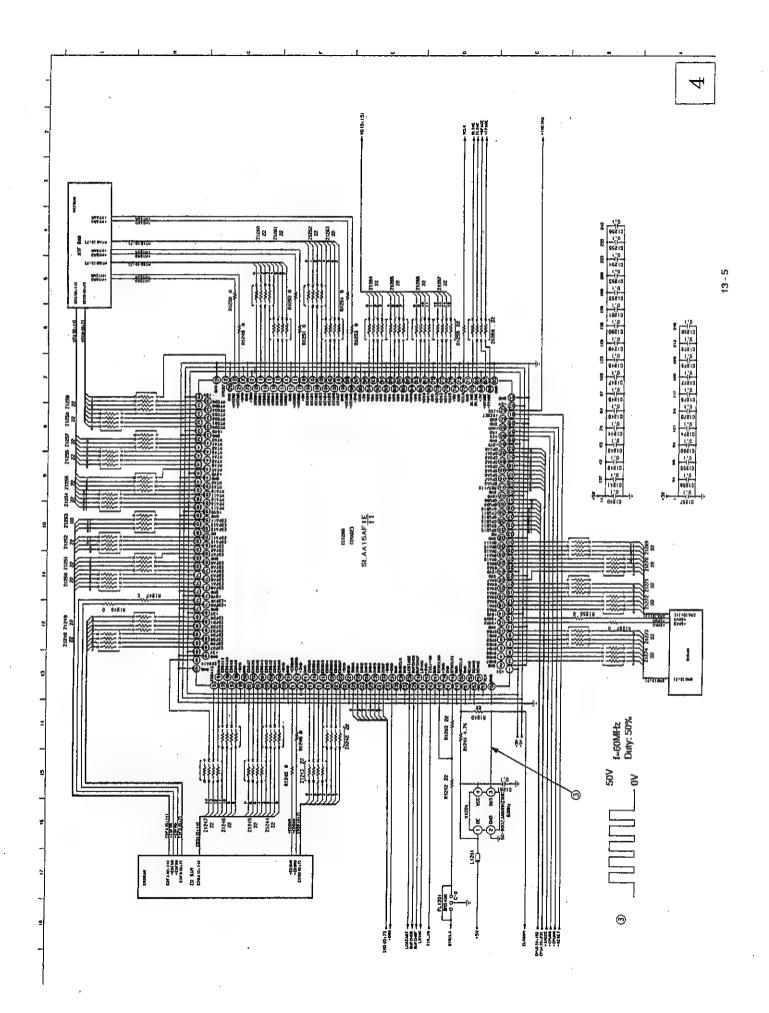
| 13.1 | MAIN CONTROL Board | 1 | to | 13 |
|------|--------------------|-------|------|-----|
| | SCSI Board | | | |
| 13.3 | DRIVE Board | 19 | to | 25 |
| 13.4 | POWER Board | 26 | to | 27 |
| 13.5 | MOTHER Board | 28 | to | 29 |
| 13.6 | PANEL Board | ***** | •••• | .30 |
| 13.7 | CCD Board | | | 31 |
| | RELAY (BACK) Board | | | |
| | RELAY (SIDE)Board | | | |

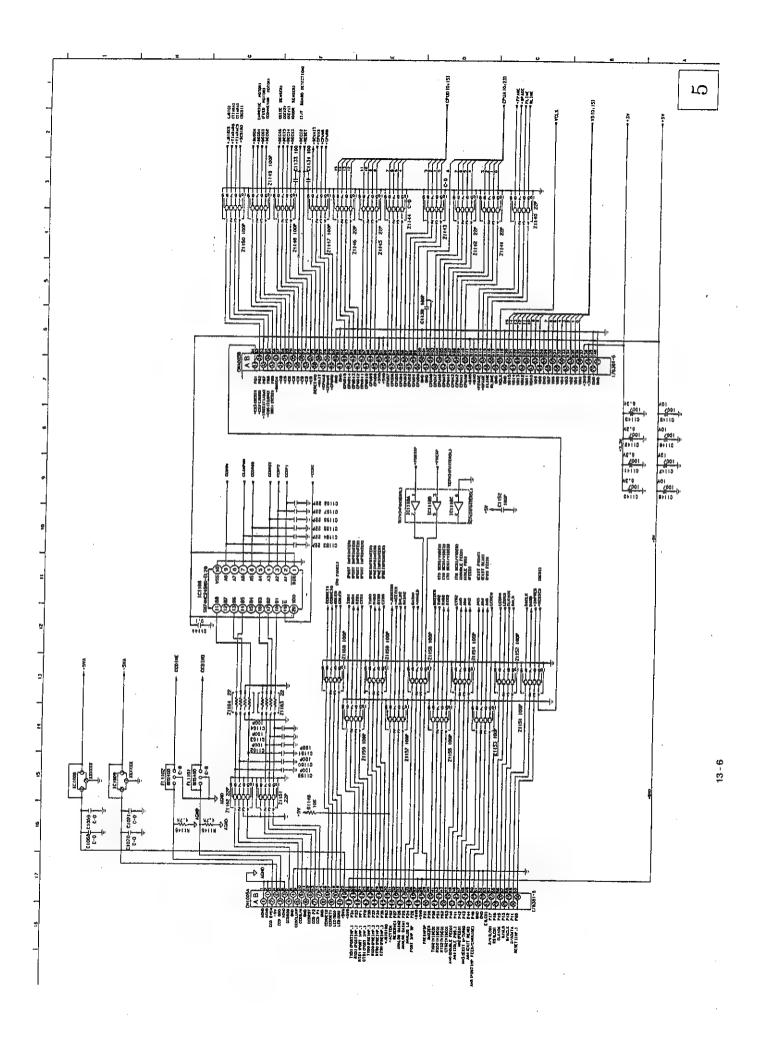
Note:This Schematic Diagram is the latest at the time of printing and subject to change without notice.

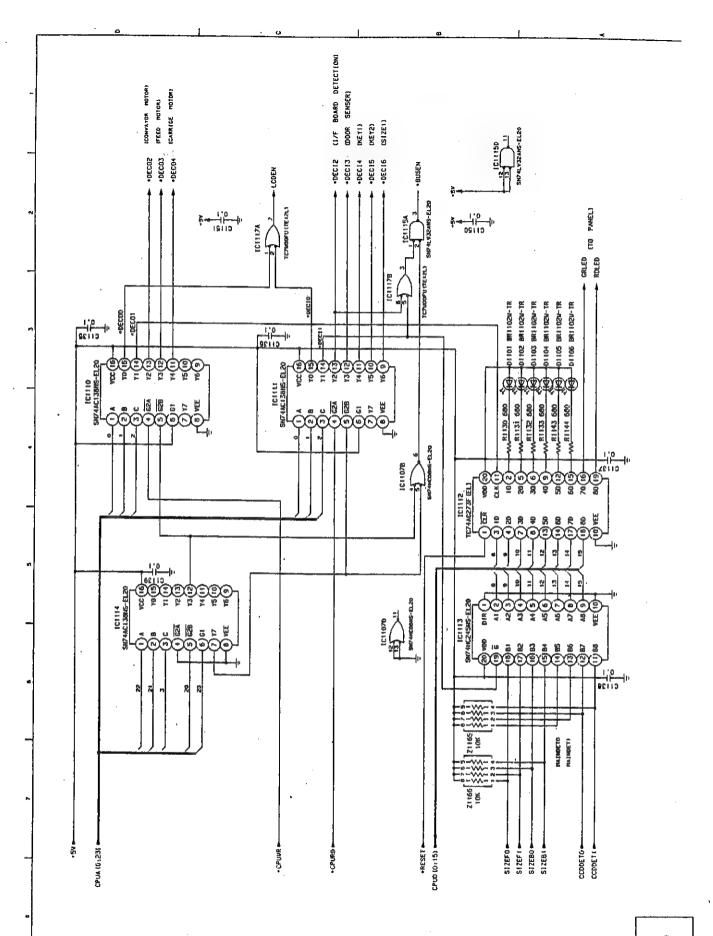


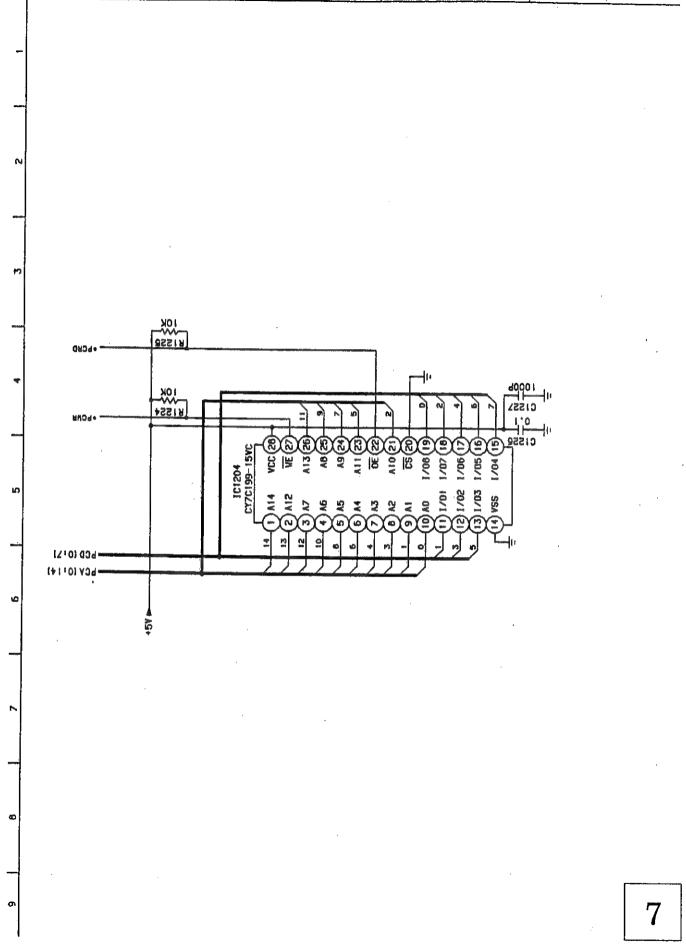


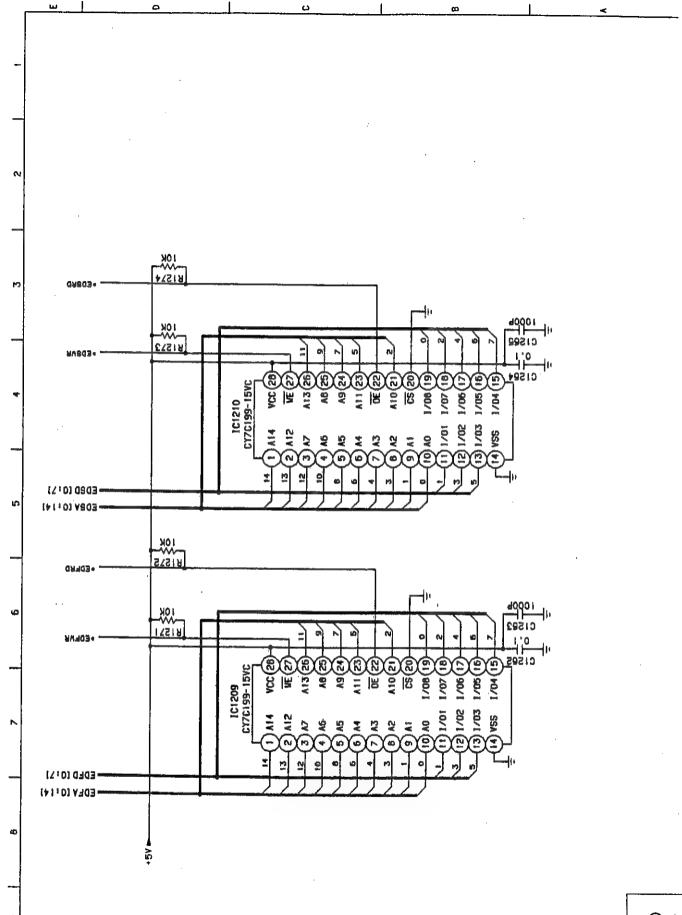


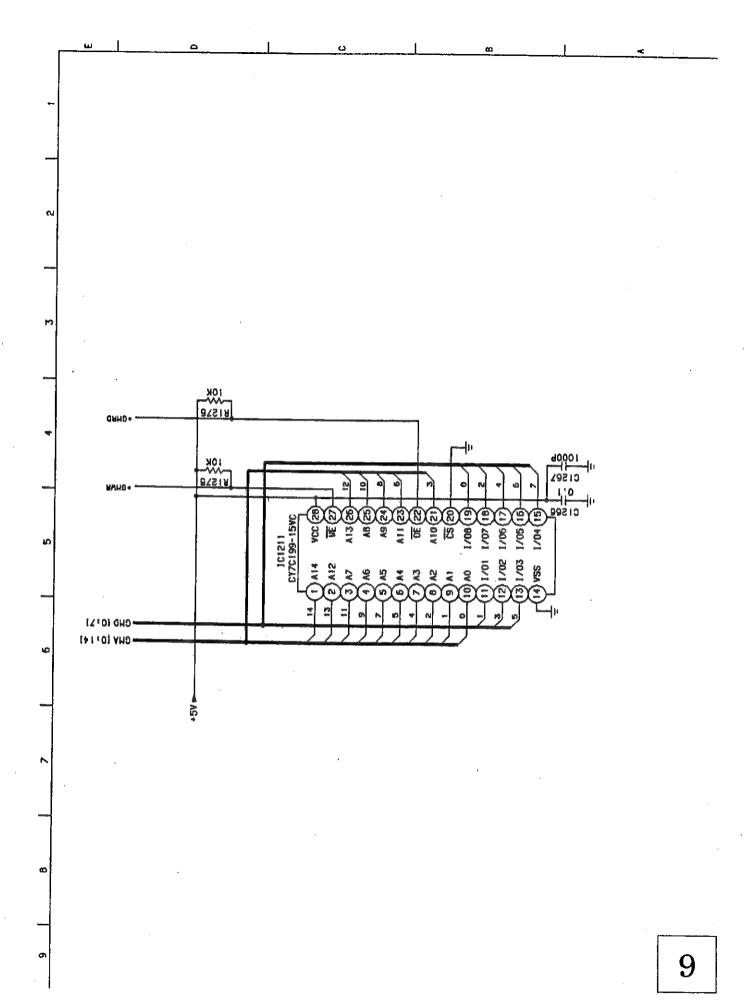


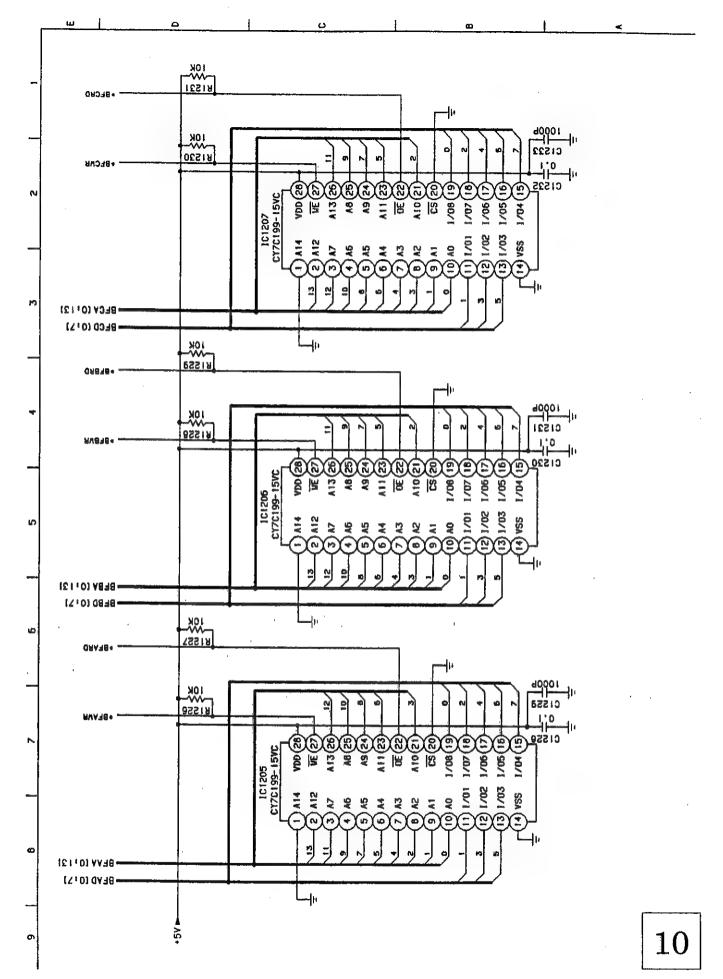


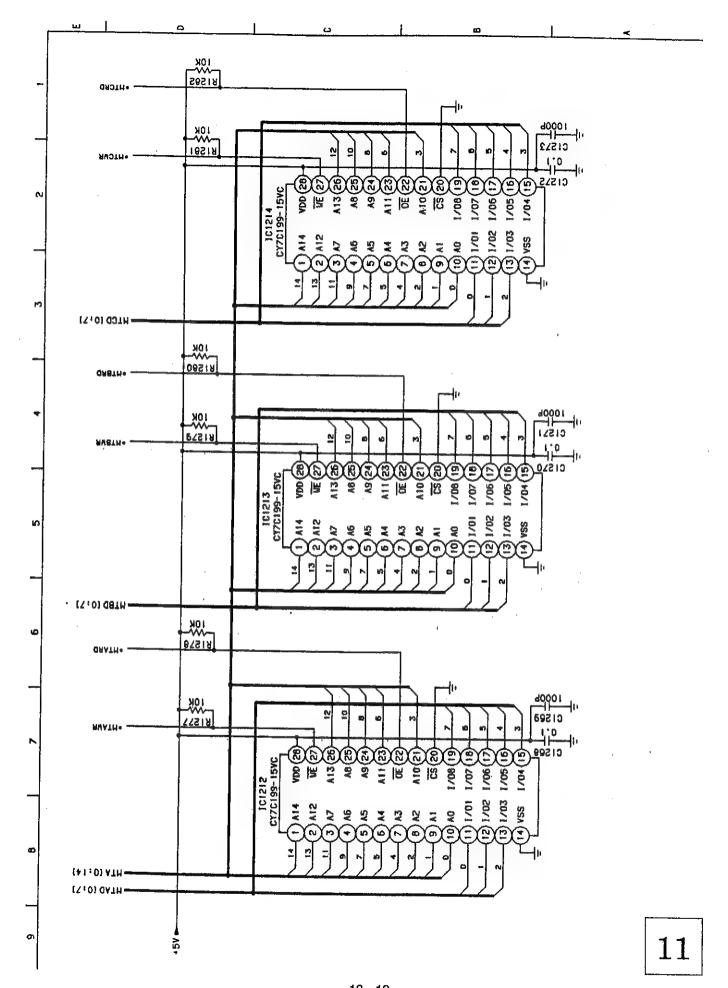


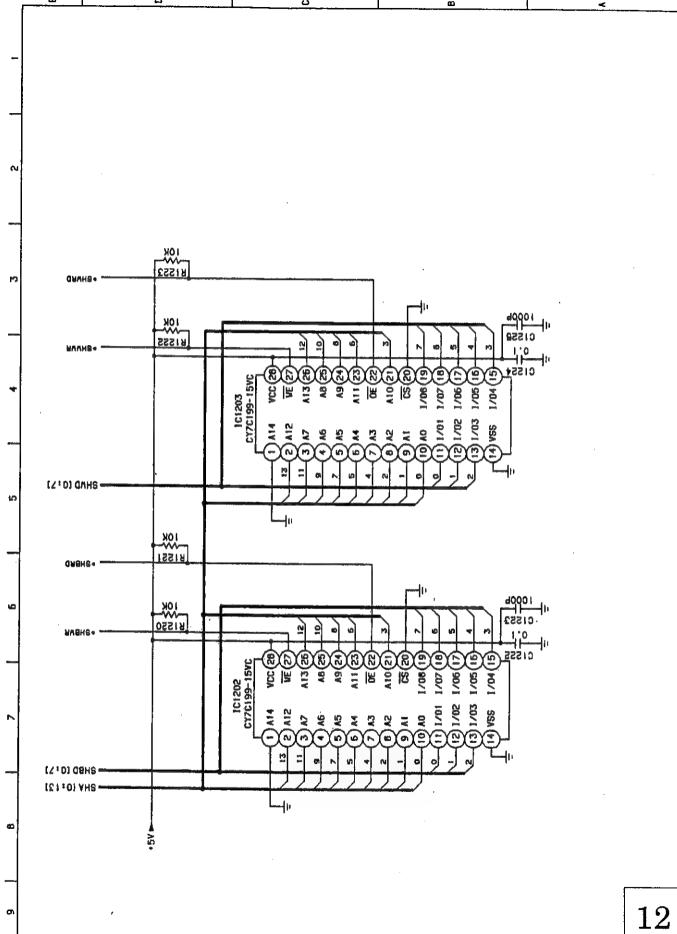


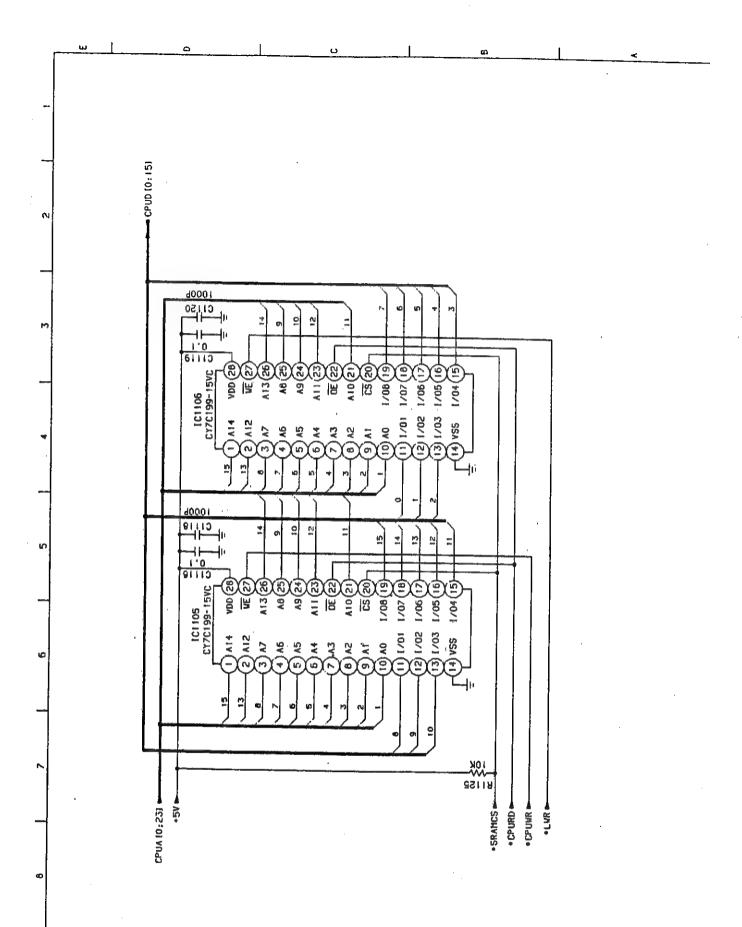




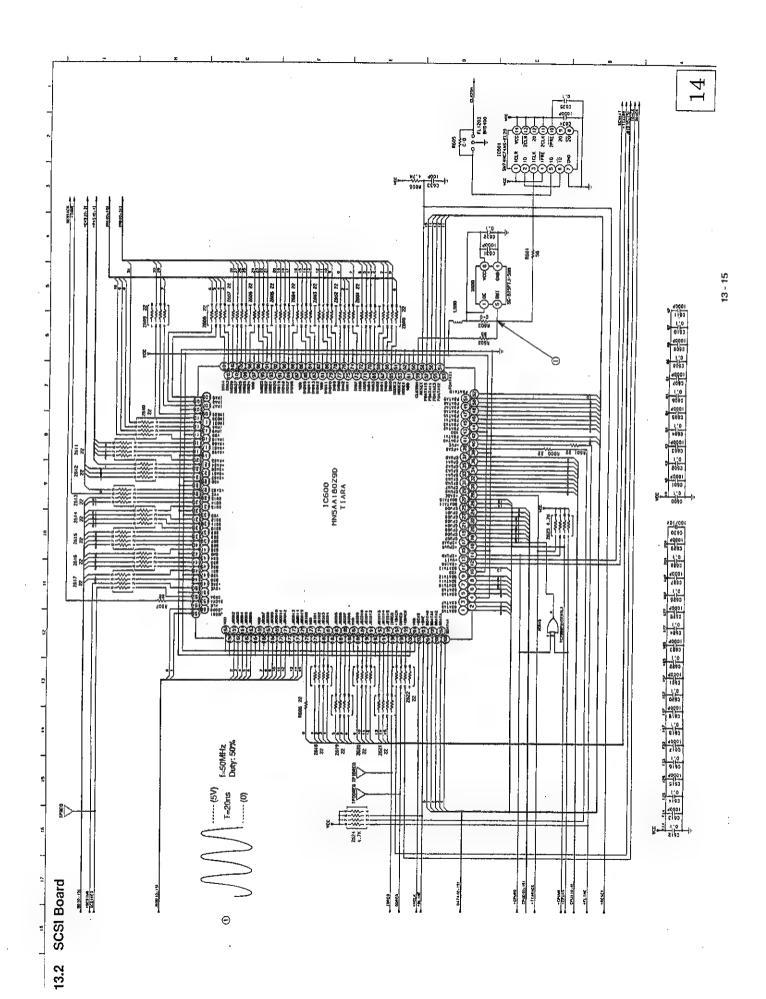


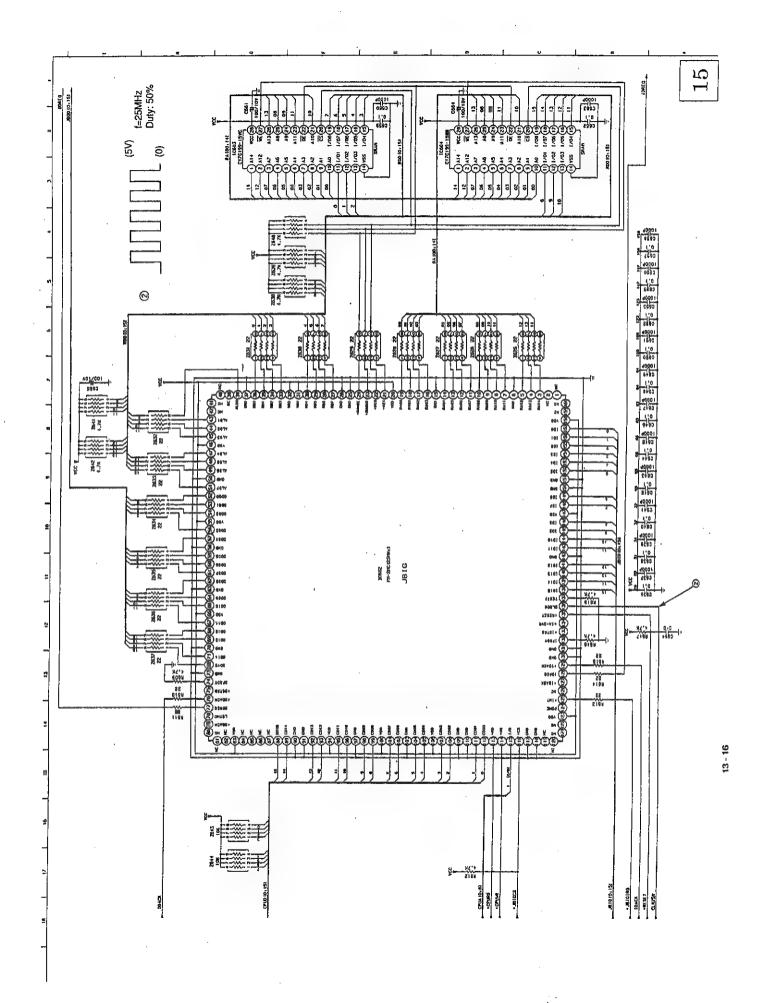


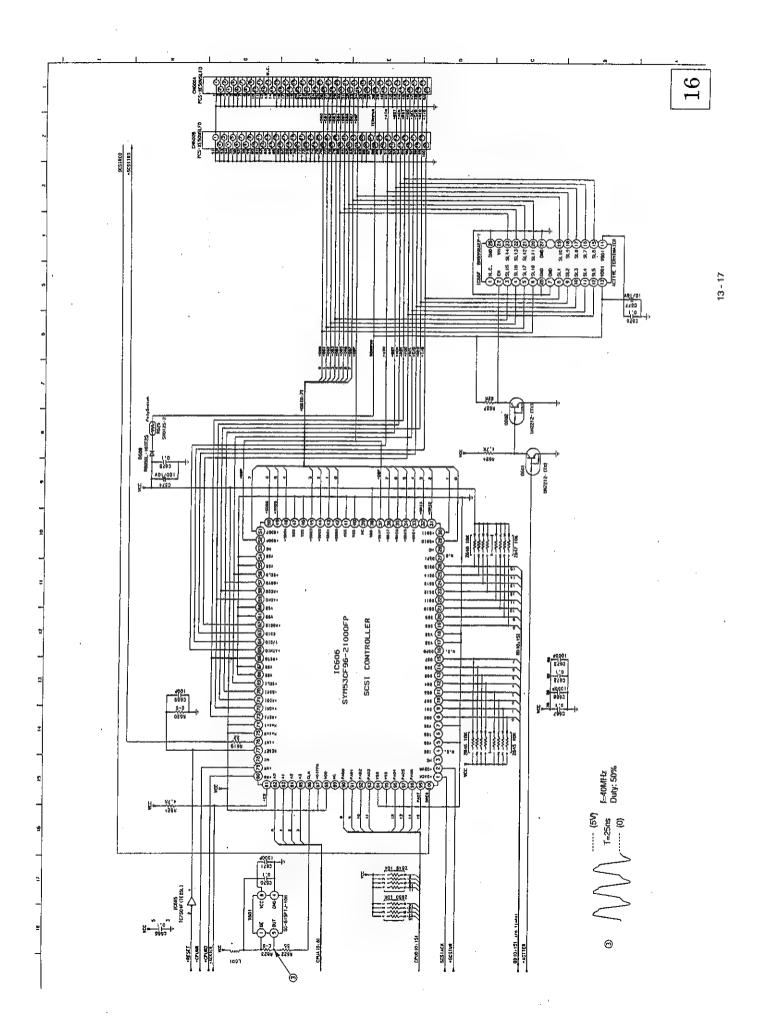


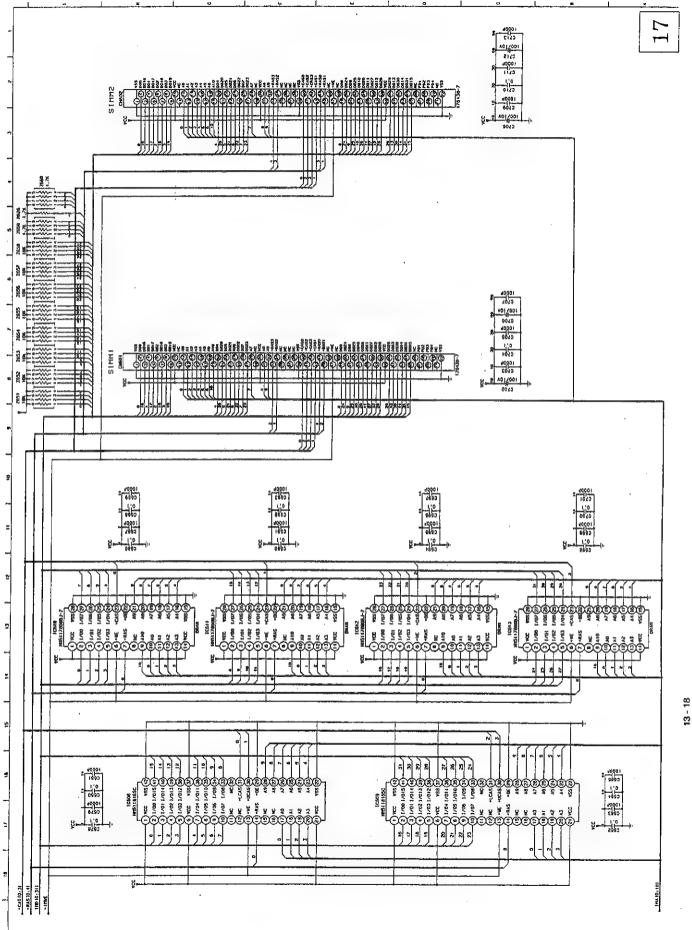


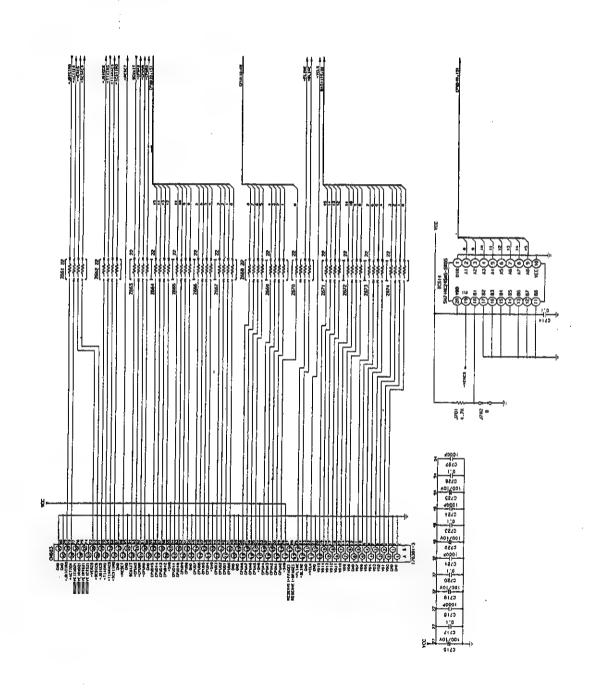
13

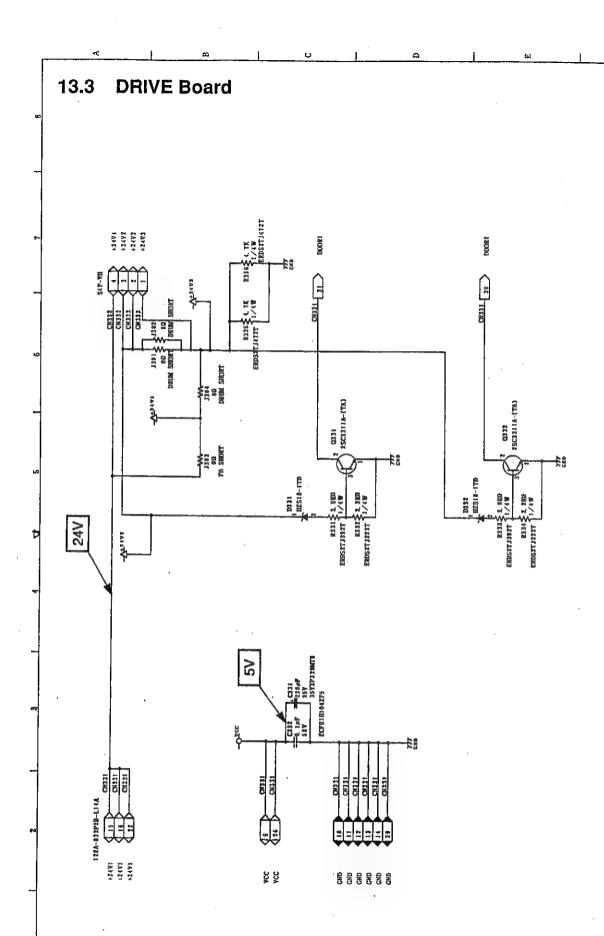


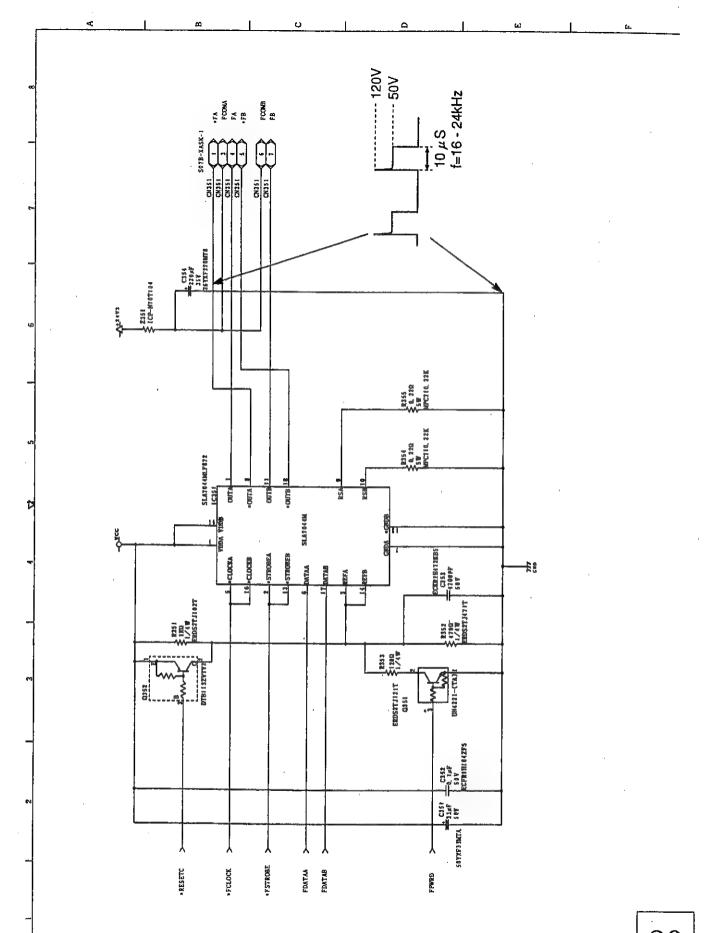


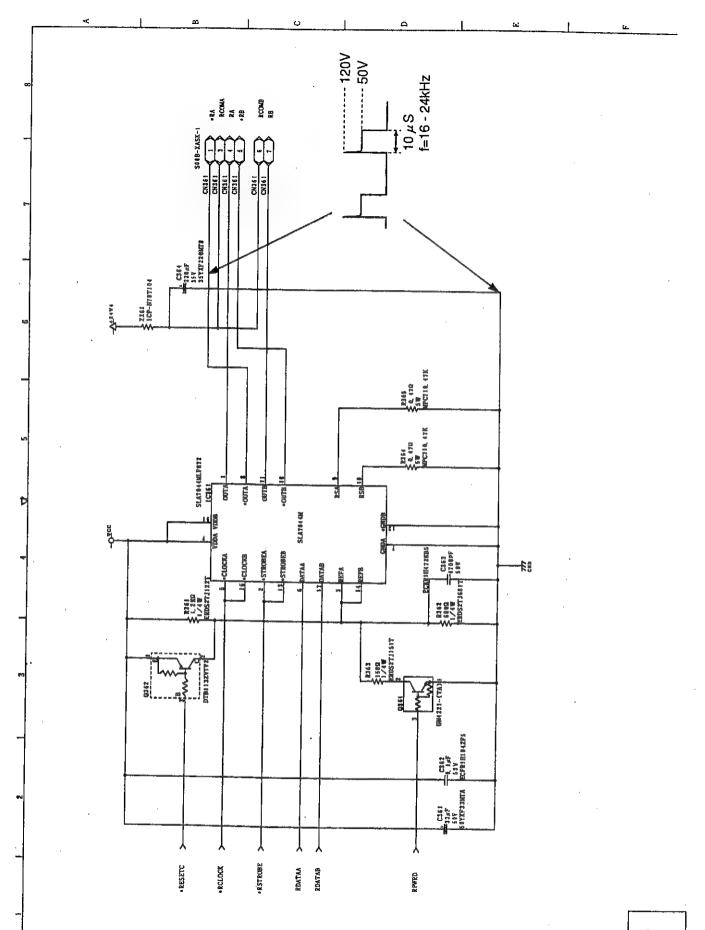


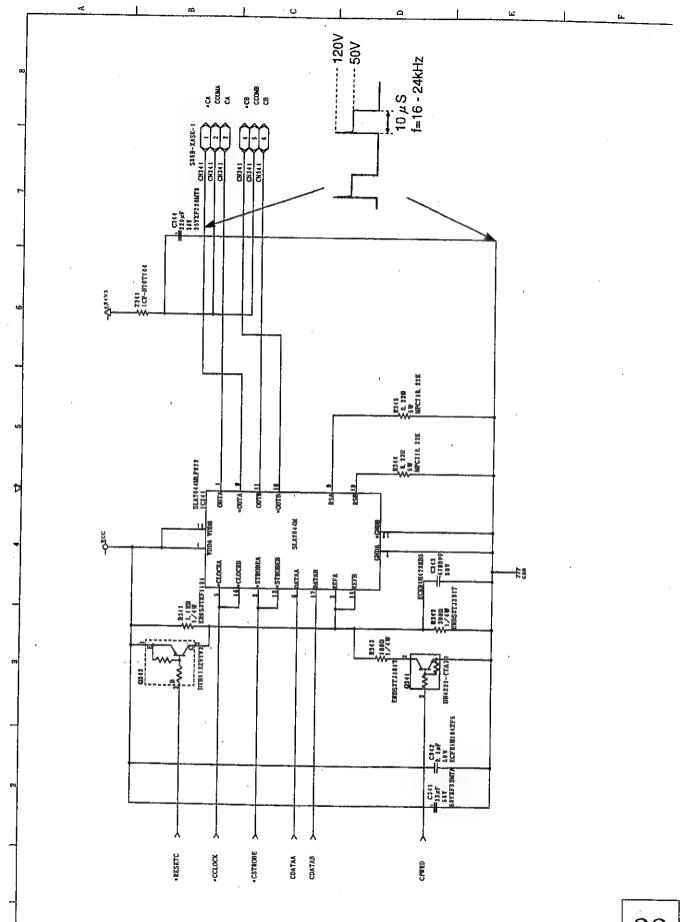


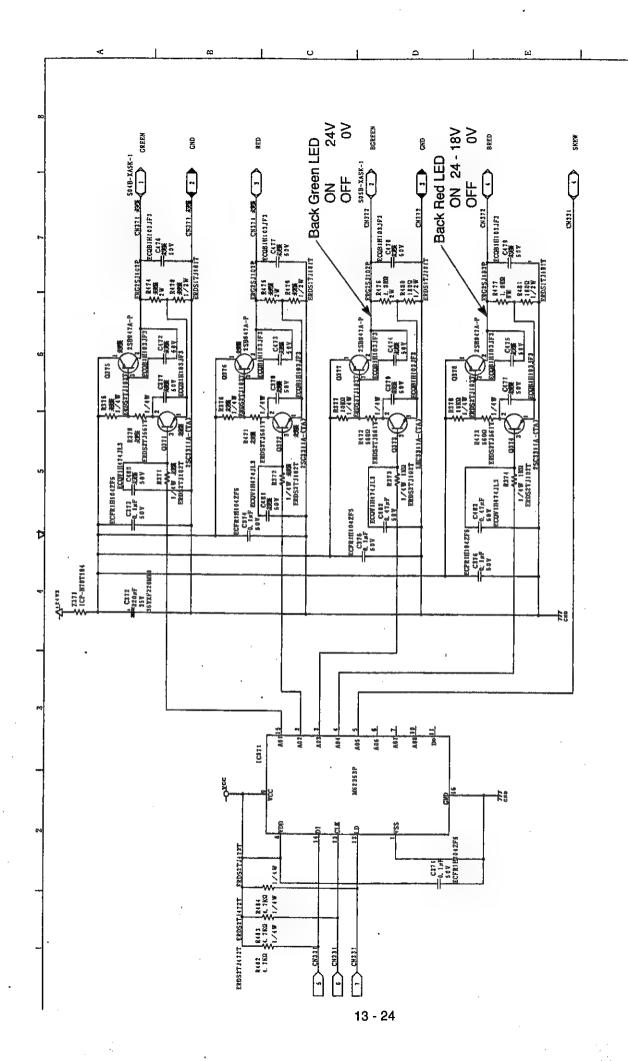


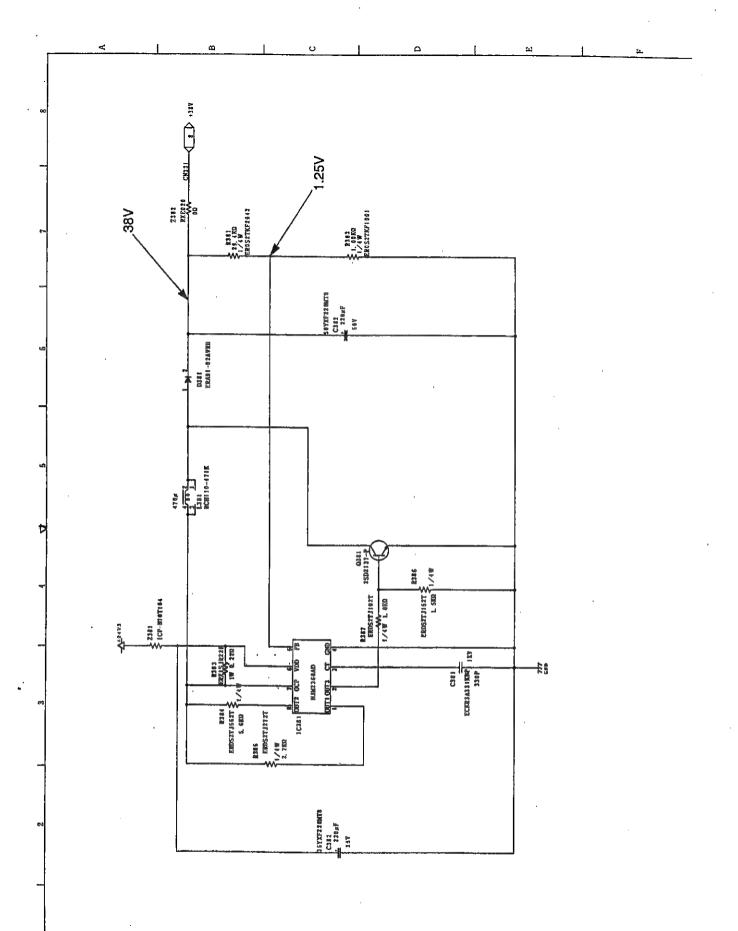


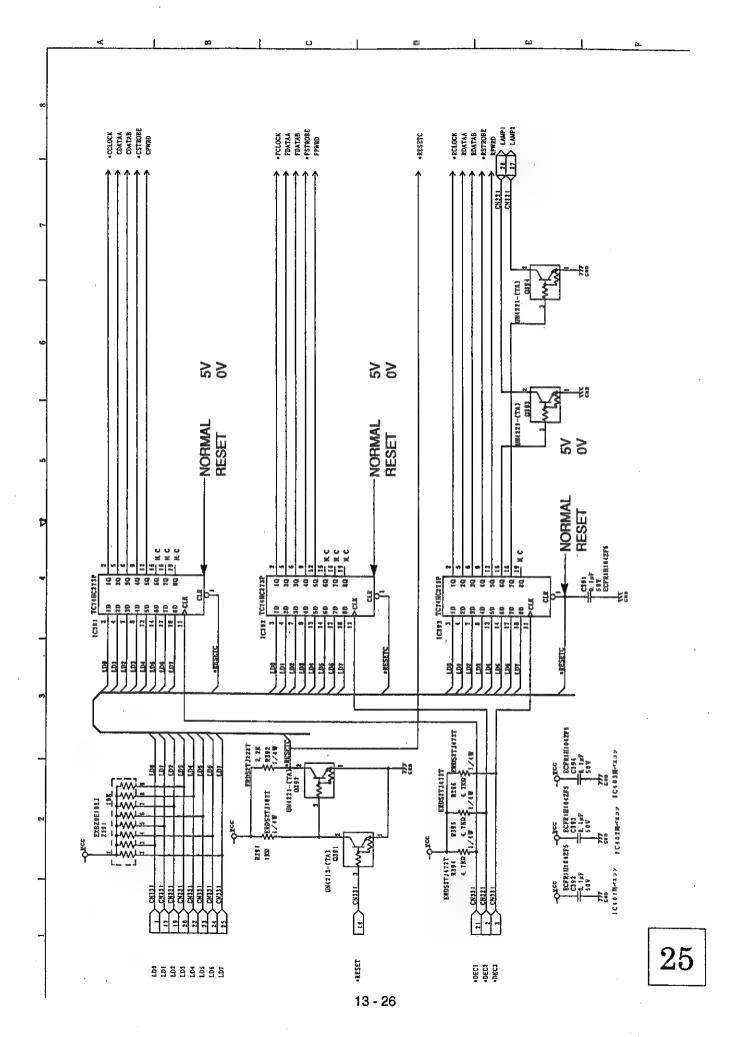


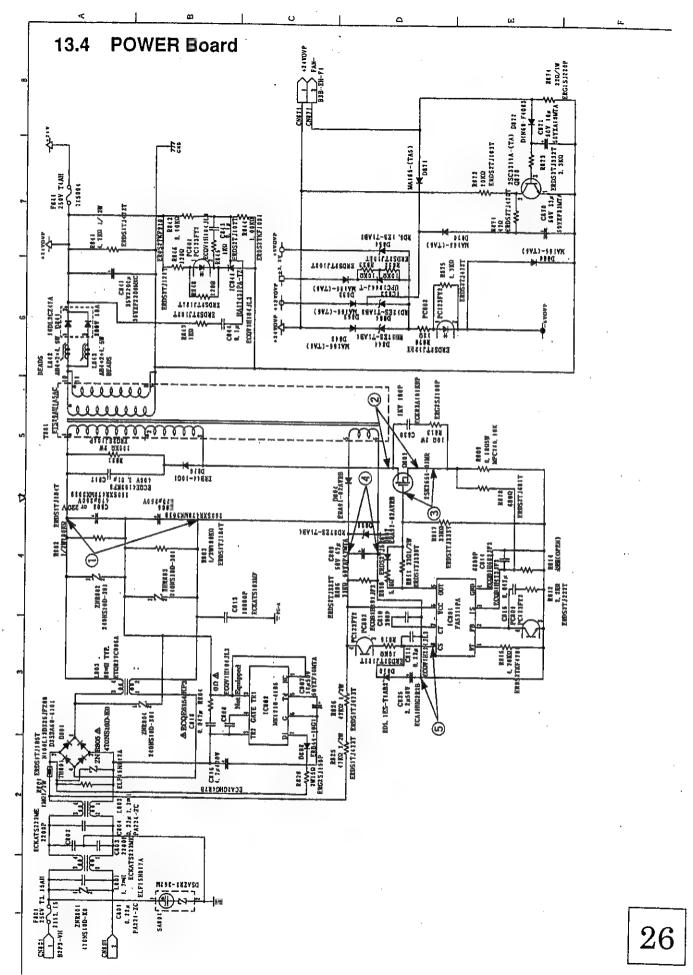






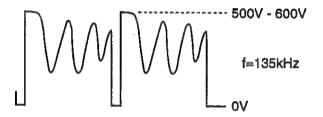






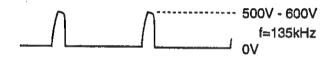
| 1 | AC | 120V: | 320V | DC | (NO Load, Fan Only) |
|---|----|-------|------|----|---------------------|
| | AC | 220V: | 300V | DC | (NO Load, Fan Only) |
| | AC | 230V: | 310V | DC | (NO Load, Fan Only) |
| | AC | 240V: | 330V | DC | (NO Load, Fan Only) |
| | AC | 100V: | 270V | DC | (NO Load, Fan Only) |

② Q801 D-S



(No Load, Fan Only)

3 Q801G - S



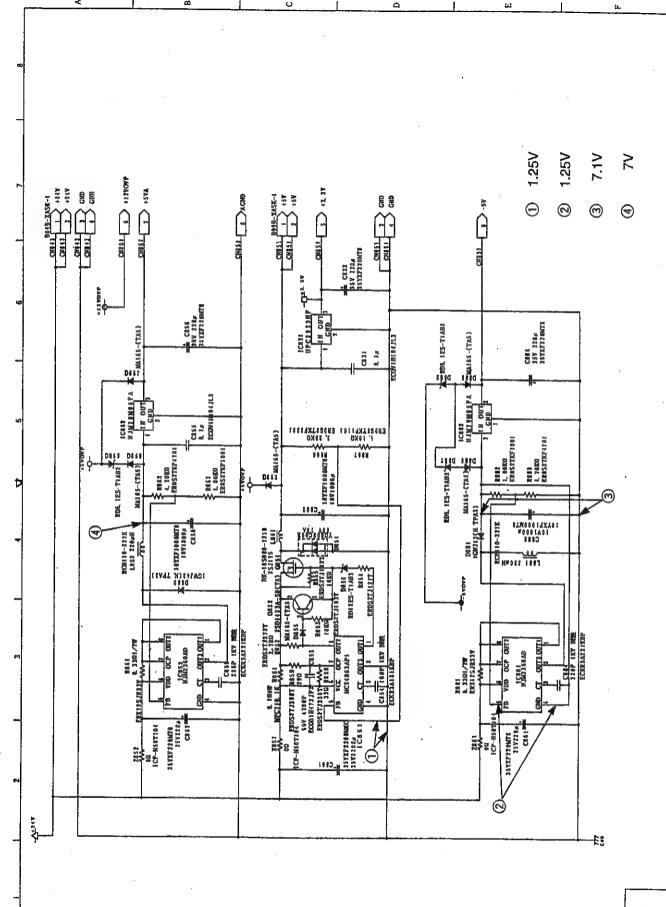
(No Load, Fan Only)

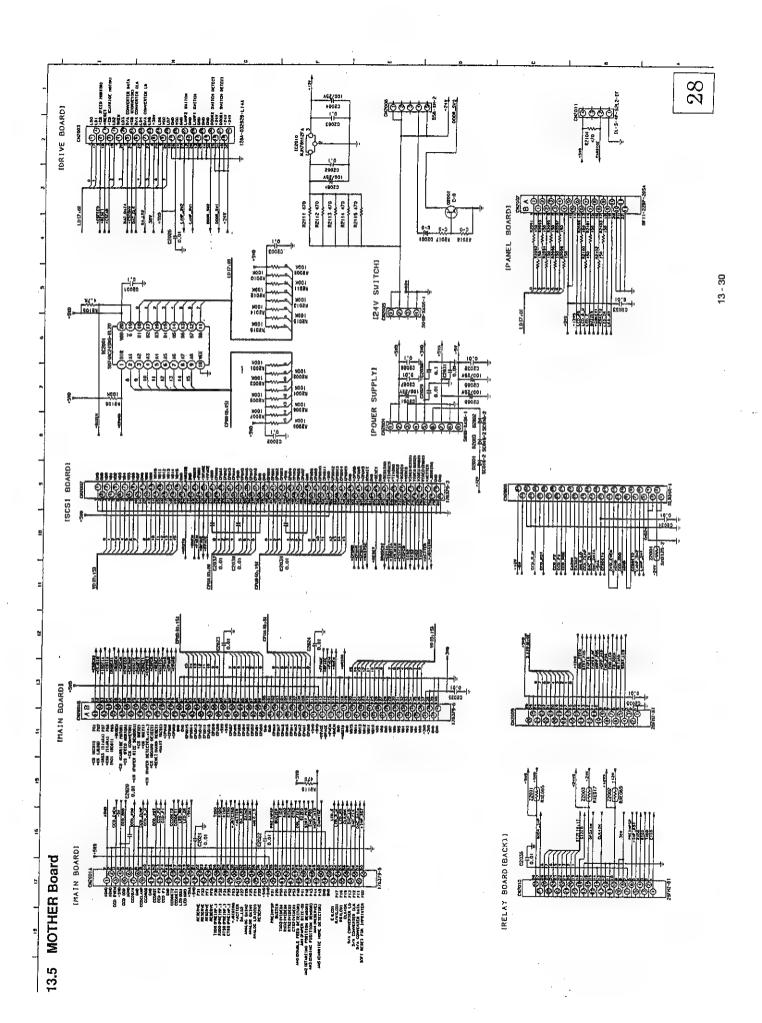
④ C809 DC 15 - 22V

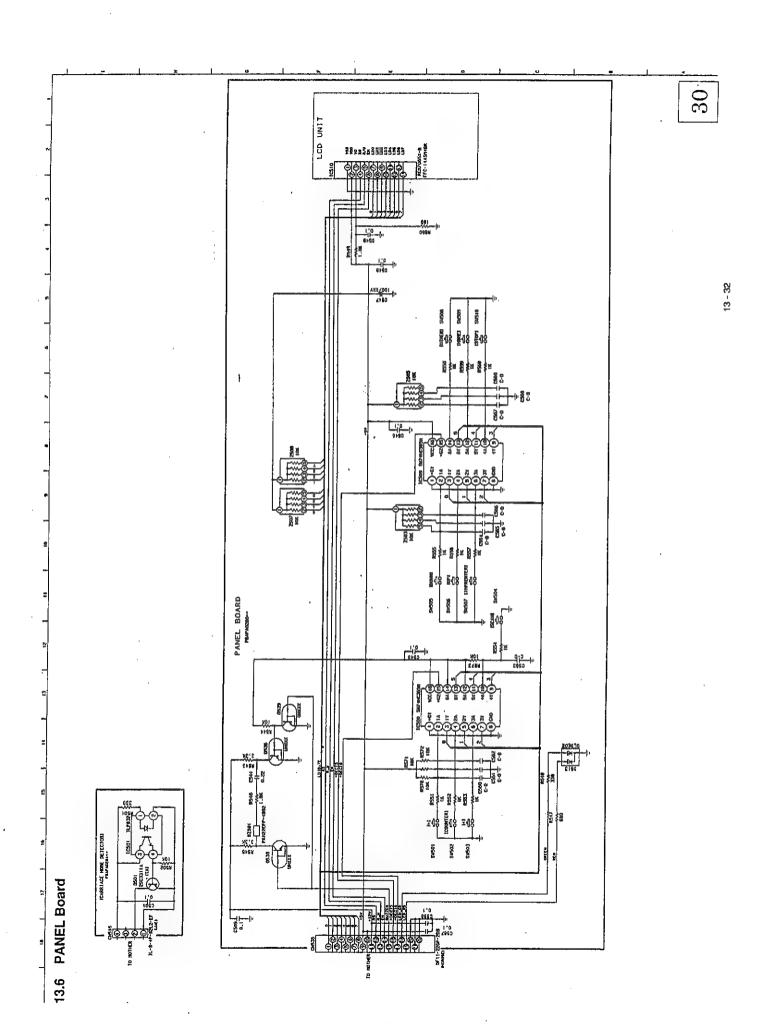
⑤ Normal: 3.6V).... DC Over-voltage protector operation check

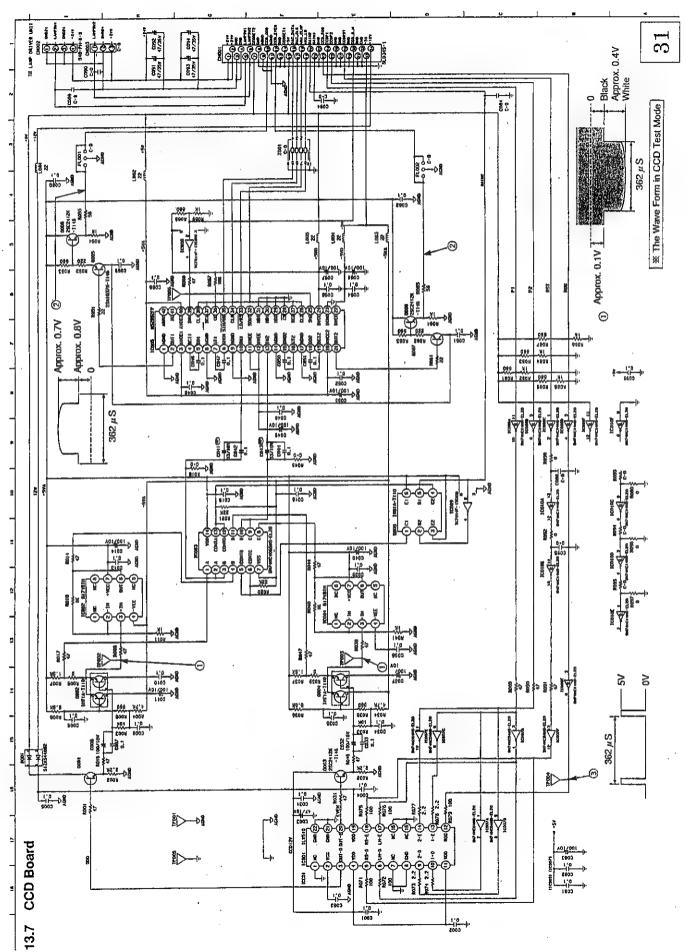
Protection circuit functioning: 8V DC Fan protector operation check

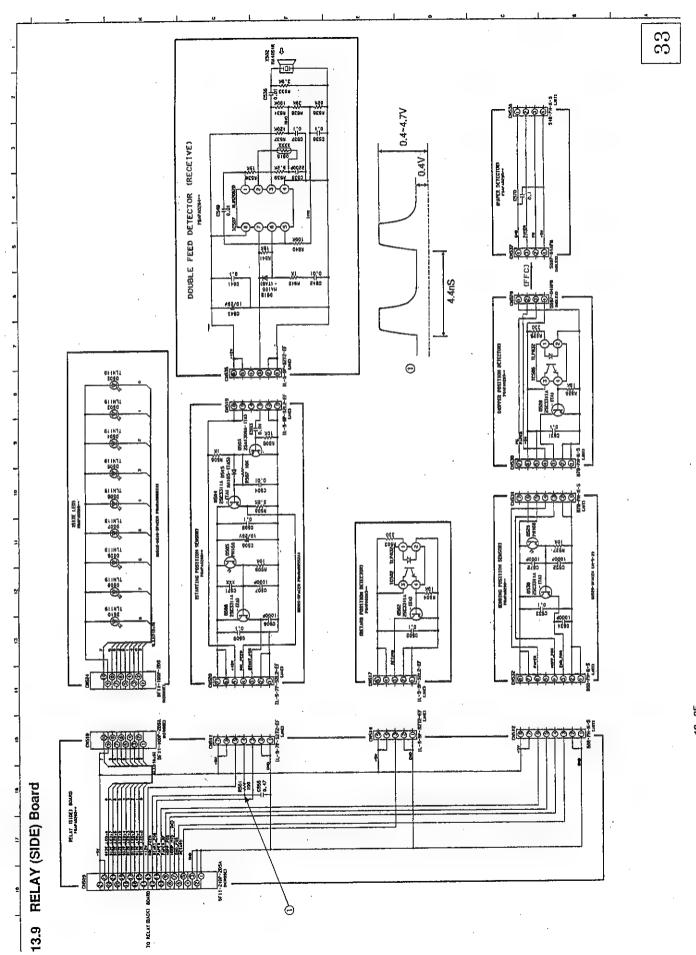
Note: If the protection circuit is functioned, turn OFF the power switch. After 5 minutes or more, turn ON the power switch again for restart













SECTION 14 PARTS LOCATION AND MECHANICAL PARTS LIST

Important Safety Notice

Components identified by \(\frac{\Lambda}{\tau} \) mark in the Remark column have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

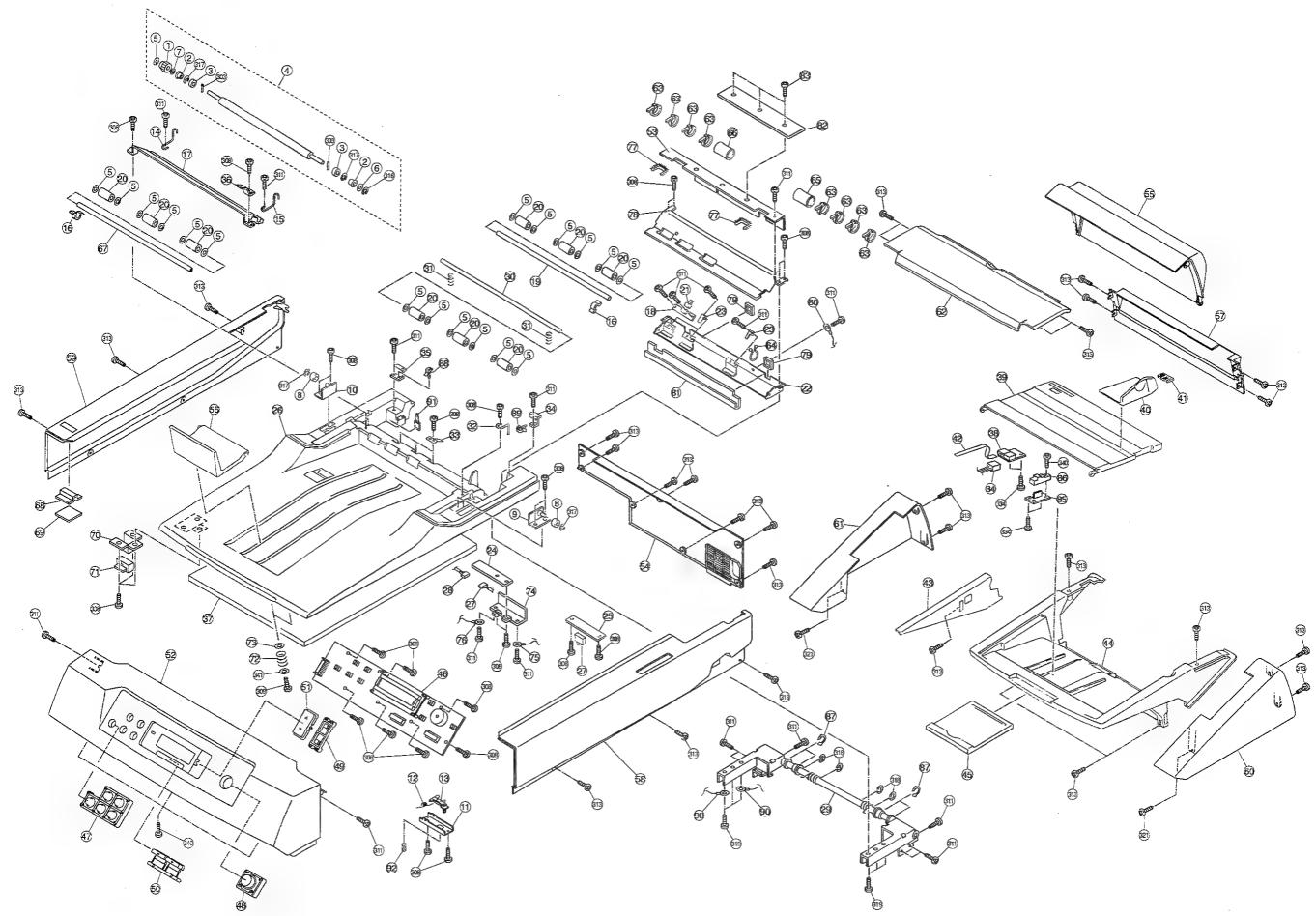
| 14.1 | Exterior | 14 – 2 |
|------|-------------|---------|
| 14.2 | Hopper Unit | 14 - 4 |
| 14.3 | Chassis | 14 – 6 |
| 14.4 | Power Unit | 14 – 8 |
| 14.5 | Packing | 14 – 10 |

Note: RTL (Retention Time Limited)

The marking (RTL) in the Remark column indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention.

After the end of this period, the assembly will no longer be available.

14.1 Exterior



REPLACEMENT MECHANICAL PARTS LIST (Exterior)

| | LACEMIEN | I MECHANICAL | | <u>S L</u> | 19 I (E) |
|------------|------------------------------|---|-------------|------------|----------|
| Ref No. | Parts No. | Description | ISO Code | Q'ty | Remark |
| 1 2 | PBDGA0061Z PBDJA0020Z | Gear for KV-S6045 series | | 1 | |
| | PBDJA0020Z | Spacer for KV-S6045 series | | 2 | |
| 3 | PBDRA0073Z | Roller for KV-S6045 series | | 2 | |
| 5 | PBDRA0086Z-J PJNW4111Z | CIS Platen Roller | | 1 | |
| l ° | PJNVV4111Z | Spacer for KV-S6045 series | | 18 | |
| 5 | PJNW4111Z | Spacer for KV-S6040 series | | 1 | |
| 6 | RWPS5-025 | Spacer for KV-S6045 series | | 1 | |
| 7 | RWPS5-100 | Spacer for KV-S6045 series | | 1 | |
| 8 | PBDEA0154Z PBMDX0501Z | Collar Inside Cover Lock Fitting | | 2 | |
| 10 | PBMDX0502Z | Plate (R) Inside Cover Lock Fitting | | 1 | |
| | | Plate (L) | | | |
| 11 | PBMDA0489Z | Actuator Fitting Plate | | 1 | |
| 12 13 | PJDSA0052Z PJHRA0247Y | Arm Spring Open Sensor Actuator | | 1 | |
| 14 | PBDSA0118Z | Platen Roller Spring for | | 1 | |
| 15 | PBDSA0119Z | KV-S6045 series Platen Roller Spring for | | 1 | |
| 16 | PBHRA0181Z | KV-S6045 series Spacer | | 2 | |
| 17 | PBUEA0112Z | Conveyor 1 for KV-S6045 series | | 1 | |
| 18 | PBAPX2876045 | STARTING LED Board | | 1 | (RTL) |
| 19 | PBDFA0129Z | Free Roller Shaft | | 1 | , , |
| | PBDRA0029Z | Roller | | 9 | |
| 21 | PBJEA0506Z | Cable (CN515-CN518) | | 1 | |
| | PBMDX0483Z PBUSA0044Z | Free Roller Fitting Plate | | 1 | |
| 24 | PBAPX2916045 | Free Roller Spring ENDING LED Board | | 2 | (RTL) |
| 25 | PBAPX2976045 | DOCUMENT COVER Board | | 1 | (RTL) |
| 26 | PBHAA0037Z-J | Flat Bed Cover | | 1 | |
| 27 | PBJEA0507Z | Cable (CN526-CN527) | | 2 | |
| | PBJEA0508Z | Cable (CN513-CN525) | | 1 | |
| 29 | PBUEA0125Z | FB Cover Hinge | | 1 | |
| | PBDFA0131Z PBDSA0114Z | Free Roller Shaft Free Roller Spring | | 1 2 | |
| | PBDSA0120Z | Stopper Spring | İ | 1 | |
| 33 | PBUSA0045Z | Free Roller Spring 2 | | 1 | |
| 34 | PBMDA0553Z | Clamp Fitting Plate (R) | | 1 | |
| 35 | PBMDA0554Z | Clamp Fitting Plate (L) | | 1 | |
| | PBMDA0550Z | Plate | | 1 | |
| 37 38 | PBHEA0102Z-J PBAPX2956045 | Flat Bed DOCUMENT DETECTOR | | 1 | (RTL) |
| | | Board | | | (DIL) |
| 39 | PBKZA0009Z-J | Hopper Plate | | 1 | |
| 40 41 | PBKEA0104Z-J PBHRA0199Z | Exit Guide Paper Guide Plate | | 1 | |
| 42 | PBJEA0503Y | Cable (CN529-CN537) | | 1 | |
| 43 | PBULA0150Z-J | Manuscript Side Plate | | 1 | |
| 44 | PBKMA0060Z-J | Hopper Base | | 1 | |
| 45 | PBKMA0049Z | Tray (Extend Hopper) | | 1 | |
| 46 | PBAPX2806045 | PANEL Board | | 1 | (RTL) |
| 47 48 | PBBCA0010Z PBBCA0011Z | Hinge Button (A) Hinge Button (B) | | 1 | |
| 49 | PBBCA0012Z | Hinge Button (C) | | 1 | , |
| 50 | PBBCA0013Z | Hinge Button (D) | | 1 | |
| 51 | PBBCA0014Z | Seesaw Button | | 1 | |
| 52 | PBKMA0055Z-J | Front Cover for KV-S6045 series | | 1 | |
| 52 | PBKMA0055Y-J | Front Cover for KV-S6040 series | | 1 | |
| 53 54 | PBHMA0163Z PBKFA0021Z-J | Cable Cover 1 FB Rear Cover for KV- | | 1 | |
| | | S6045 series | | | |
| 54 | PBKFA0021Z-J1 | FB Rear Cover for KV- S6040 series | | 1 | |
| 55 | PBKEA0103Z | Imprinter Door | | 1 | |
| 56 | PBKEA0105Z | Stopper Panel | | 1 | |
| 57 | PBKFA0022Z | ADF Rear Cover | | 1 | |
| 58 | PBKMA0056Z | FB Rear Cover (R) | 1 | 1 | |
| 59 60 | PBKMA0057Z PBKMA0058Z-J | FB Rear Cover (L) ADF Side Cover (R) | | 1 | |
| 61 | PBKMA0059Z | ADF Side Cover (h) ADF Side Cover (L) | İ | 1 | |
| 62 | PBKMA0061Z-J | ADF Top Cover | | 1 | |
| | | | | | <u></u> |

| 10.7 | | | 100 | | |
|------------|---------------------|-------------------|-------------|----------|--------|
| Ref No. | Parts No. | Description | ISO Code | Q'ty | Remark |
| 63 | KI-100M | Clamper | Soute | 2 | |
| 64 | TMM6463 | Clamper | | 1 | 1 |
| 65 | PBMXA0048Z | Isolation Tube | | 1 | |
| | PBMXA0049Z | Isolation Tube | | 1 | |
| 67 | PBDFA0130Z | Free Roller Shaft | | 1 | |
| 68 | PBUEA0143Z | Plate | | 1 | |
| 69 | PBHEA0164Z | Sheet | | 1 | |
| 70 | PBMDA0571Z | Plate | | 1 | |
| 71 | SM-108S | Magnet | | 1 | |
| 72 | PBDSA0138Z | Spring | | 1 | |
| | CC-0612-10 | Spacer | | 1 | |
| | PBUEA0145Z | Plate | | 1 | |
| | PBJEA0620Z | Earth Cable | | 1 | |
| | PBJEA0623Z | Earth Cable | | 1 | |
| 77 | KG-010-L44 | Bushing | İ | 2 | |
| 78 | PBUEA0113Z | Conveyor | | 1 | |
| 79 | EDS-17L | Edge Saddle | | 2 | |
| | PBJEA0612Z | Earth Cable | | 1 | |
| 81 | PBMXA0042Z | Sheet | | 1 | |
| | PBMXA0051Z | Sheet | | 1 | |
| 83 | NRP-335 | Rivet | | 3 | |
| | PBJEA0624Z | Cable | | 1 | |
| 85 | PBMDA0573Z | Plate | | 1 | |
| 86 | GP2A25 | Photo Interrupter | | 1 | |
| 87 | PBUSA0054Z | Spring | ! | 4 | |
| 88 | LWS-3S | Clamper | ļ | 1 | |
| 89 | LWS-1S | Edge Saddle | Į | 1 | |
| 90 | CS-2 | Earth Cable | - | 2 | |
| 91 | K-103G | Clamper | i | 1 | |
| 92 | SJ-5012 | Rubber Foot | į | 1 | |
| 93 | PBUEA0126Z | Conveyor | | 1 | |
| | XPJ2C10VW | Pin | | 28 | |
| | XTW3+10PFX | Screw | ļ | 28 | |
| | XTW3+12PFX | Screw | | - | |
| | XTW3+6LFX | Screw | | 21 30 | |
| | XTW3+8LFY XUC4FY | Screw E-ring | | 1 | |
| 317 | | E-ring | | 2 | |
| | XUC6FY | E-ring | | 4 | |
| | XTV3+14GFX | Screw | | 6 | |
| | XSN3+6FX | Screw | 1 | 2 | |
| 334 | | Screw | | 2 | |
| 340 | | Screw | } | 3 | |
| 341 | | Washer | 1 | 2 | |
| | | | | | |
| | | | | | |

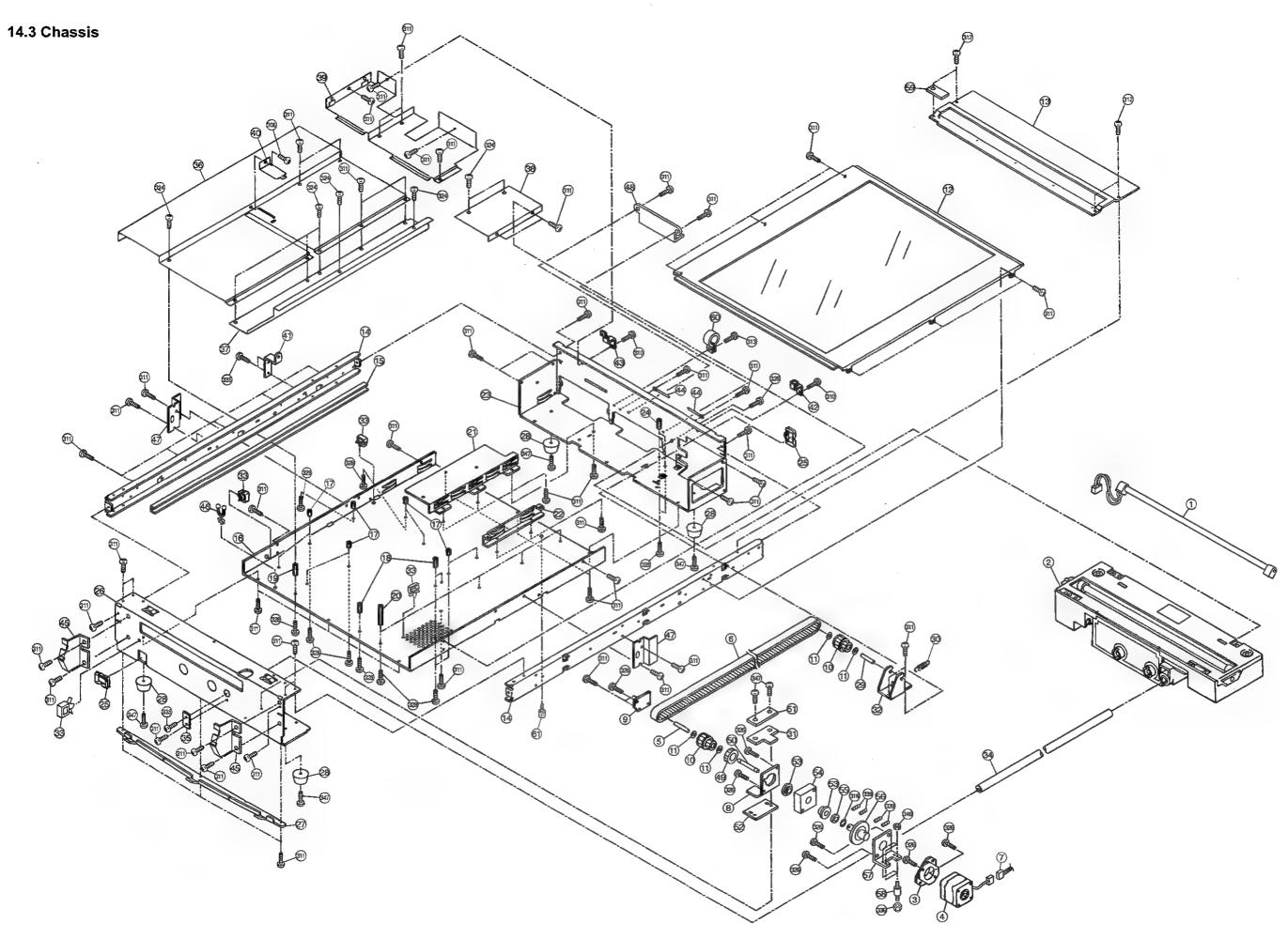
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14.2 Hopper Unit

REPLACEMENT MECHANICAL PARTS LIST (Hopper Unit)

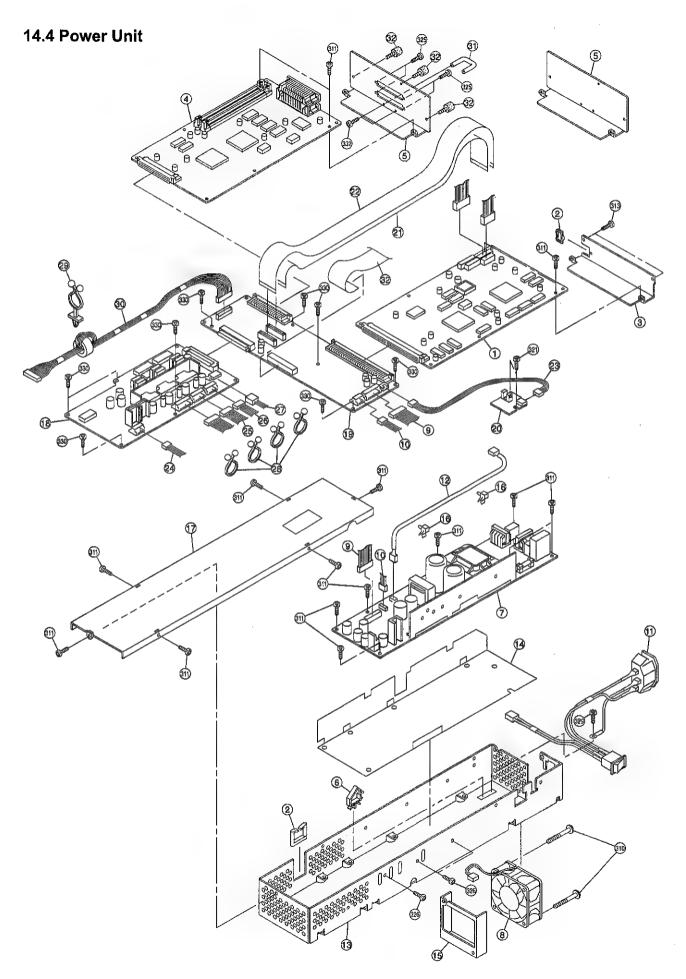
| | KE | REPLACEMENT MECHANICAL PARTS LIST (Hopper Unit) | | | | | | | | | | |
|--|------|---|----------------------------|----------|-----|---------|-----|------------------|---------------------------|----|------|-------|
| PRIDACOPITED | Ref | Parts No. | | ISO | | | Ref | | Description | | Q'ty | Rema |
| 3 28/M.K-971-05 2 2 9 7 7 7 7 7 7 7 7 7 | | | | <u> </u> | | | 78 | PBULA0137Y | Reinforcement Plate | - | 1 | - |
| PRIDACORD PRID | | | | | | - | | | | | | |
| S | | | | | | | | | | | | - |
| F | | | 1 = 2 | | | | | | | | | |
| PBDSA0080Z 2 | | | | | | | 61 | PBUEXUTTIZ-J | | | 1 | 1 |
| 8 EANHANDS-GLZ 9 EANHANDS-GLZ 9 EANHANDS-GLZ 10 EANHANDS-GLZ 11 ENDAOA472 13 PEDRAOA472 13 PEDRAOA472 14 PEDRAOA472 14 PEDRAOA472 15 PEDRAOA472 16 PEDRAOA472 16 PEDRAOA472 17 PEDRAOA472 16 PEDRAOA472 17 PEDRAOA472 18 PEDRAOA472 18 PEDRAOA472 19 PEDRAOA472 19 PEDRAOA472 19 PEDRAOA472 19 PEDRAOA472 10 PEDRAOA472 10 PEDRAOA472 10 PEDRAOA472 10 PEDRAOA472 11 PEDRAOA472 11 PEDRAOA472 11 PEDRAOA472 11 PEDRAOA472 12 PEDRAOA472 13 PEDRAOA472 14 PEDRAOA472 15 PEDRAOA472 16 PEDRAOA472 16 PEDRAOA472 17 PEDRAOA472 18 PEDRAOA472 18 PEDRAOA472 19 PEDRAOA472 19 PEDRAOA472 19 PEDRAOA472 19 PEDRAOA472 10 PEDRAOA472 10 PEDRAOA472 10 PEDRAOA472 10 PEDRAOA472 10 PEDRAOA472 10 PEDRAOA472 10 PEDRAOA472 11 PEDRAOA472 11 PEDRAOA472 11 PEDRAOA472 12 PEDRAOA472 13 PEDRAOA472 14 PEDRAOA472 15 PEDRAOA472 15 PEDRAOA472 16 PEDRAOA472 16 PEDRAOA472 17 PEDRAOA472 17 PEDRAOA472 18 PEDRAOA472 19 PEDRAOA472 19 PEDRAOA472 10 PEDRAOA47 | | | | | 1 | | 82 | PRDSAD1147 | | - | | |
| 9 E0/480001 PBMDA0457Z PBME OK VS-S004S Series 1 86 PBMEA0157Z Spring 1 1 1 1 1 1 1 1 1 | | | | È | ı | | | | | 1 | | |
| 10 PSBMOA94572 Plate for KV-SEOAS Series 1 885 PBERA049572 Space 2 2 2 3 3 2 3 3 3 3 | 9 | | | - | ı | | | | | 1 | | |
| 1 PBMA0A048Z | 10 | PBMDA0457Z | | | l . | | | | | | | |
| 12 DUL-800271 Fall Blashing | | | | | 1 | | 86 | | | | | |
| 14 PSDEX01332 Tension Piete 1 | | | | | | | | PBJEA0497Z | | | | |
| 15 RWPS-10025 Spacer 2 90 PJDJA001EZ February Plate 1 91 PBDFA012Z February Plate 1 92 PBDFA012Z February Plate 1 92 PBDFA012Z February Plate 1 93 PBDFA012Z February Plate 1 94 PBDFA012Z February Plate 1 95 PBDFA012Z February Plate 1 95 PBDFA012Z February Plate 1 96 PBDFA012Z February Plate 1 | - | | |] | | | R | | Lever Switching Cover (R) | | 1 | |
| 16 PBDEX0132Z Tendson Pilate 1 PBDFX0132Z Tendson Pilate 1 PBDFX0132Z Tendson Pilate 1 PBDFX0132Z Tendson Pilate 1 PBDFX013Z Tendson Pilate 1 PBDFX013Z Tendson Pilate 1 TENDSON PILATE T | | | | | | | B | | | | | |
| 17 PBAPX28896045 SZE LED Board 1 (RTL) 92 Y0008 | | | | Í | | | | | | | | |
| Bell Pello | | | | | | (1277.) | | | 1 . | - | | |
| 19 PBDGA0018Z PBDFA0017Z Pitch Roller 5 96 PBDFA017Z PBDFA0017Z P | | | | | | (NIL) | | | | | | |
| PBIDGA0071Z PBIDGA0071Z Pitch Foller 5 95 PBIDGA0071Z PBID | 19 | | | | | | | | | | | |
| 21 PSULXOT14Z Page Feed Planetary 1 96 PBDSA013ZZ Lever Spring 1 1 1 1 1 1 1 1 1 | 20 | | Pitch Roller | | | 1 | | | |] | | |
| PRIMPAGE Spacer Page P | 21 | PBUEX0114Z | Paper Feed Planetary | , | | | 96 | | | | | |
| 22 PBUEXOT15Z Retard Planetary Plate 1 98 PBULA0145Z Lock Release Plate 1 98 PBULA0145Z Lock Stopper 2 2 2 2 2 2 2 2 2 | 1 | | | | | | 97 | | | | | |
| 24 PSDGA0082Z Gear 2 100 PSULADHIZZ Lock Stopper 2 2 2 2 2 2 2 2 2 | | 1 | | | 29 | | 98 | PBULA0145Z | | | | |
| PBDGA00072 Gar | | | | | | ı J | | | | | | |
| PRIDRADO76Z | | | | | |] | | 1 | | | | |
| PRILEXOTISEZ PRIMEMOSTZ Conveyor Planetary Plate 1 1 1 1 1 1 1 1 1 | | | | | | | 1 ' | | | | | |
| PBMFA0057Z PBMFA00057Z PBMFA0057Z PB | | | | | | | | | | - | | |
| PBUEAD110Z | | | | | | | | | | | | |
| 30 AVM38153 Micro Switch 2 1 1 1 1 1 1 1 1 1 | 29 | | | | | | | | | | | |
| SPAMDA46822 Fitting Plate 2 1 1 107 PBDSA01072 Hopper Spring 1 1 1 1 1 1 1 1 1 | 30 | | | | | | | | | | | |
| PRMDAd9492 Fitting Plate 1 1 1 1 1 1 1 1 1 | | PBMDA0486Z | Fitting Plate 2 | | | | 107 | | | | | |
| PMMADS-1922 | | | | | 1 | | 108 | | | | | É |
| PSUENCHORD PSUENCH P | | | | | | - 1 | | | Hopper Pressure Plate | | | |
| PBHRA0150Z-4 Felt | | | | | | - 1 | | | | | | |
| 33 PBUTX0028Z Inside Cover 1 3 PBHFA0023Z 7 7 7 7 7 7 7 7 7 | | | | | | - 1 | | | | | | |
| Saper Spring Sp | | | | | | ! | | | | | | |
| 39 PBHDA000122 Screw 2 1 15 PBHDA0036Z 2 2 115 PBHDA0036Z 2 3 3 3 3 3 3 3 3 3 | | | | | | - 1 | | | | | | |
| 40 RWPS4-050 Spacer 1 | | _ | | | | f | 1 ' | | t . | | | |
| 44 NF-963E Di Damper 1 | 40 | | 1 _ | | | - 1 | | | | | | |
| 44 PBAPX2838045 RETAIN POSITION Board 1 (RTL) 119 PBDSA0112Z Retard Spring 1 (RTL) 129 PBDEA00587 Cable (CIS BP) for KV- 1 (RTL) 129 PBDEA00587 Cable (CIS BP) for KV- 1 (RTL) 129 PBDEA00587 Cable (CIS BP) for KV- 1 (RTL) 129 PBDEA00587 Cable (CIS BP) for KV- 1 (RTL) 129 PBDEA00587 Cable (CIS BP) for KV- 1 (RTL) 129 PBDEA00587 Cable (CIS BP) for KV- 1 (RTL) 129 PBDEA00587 Cable (CIS BP) for KV- 1 (RTL) 129 PBDEA00587 Cable (CIS BP) for KV- 1 (RTL) | | RWPS4-050 | | | | Į. | |) | | | | |
| 43 PBAPX2836045 RETARD POSITION Board 1 (RTL) 119 PBBA01112 Retard Spring 1 (RTL) 149 PBBA00305Z 140 PBBA00305Z 141 140 PBBA00305Z 141 140 PBBA00305Z 142 PBBA00305Z 144 PBBA00305Z 144 PBBA00305Z 144 PBBA00305Z 144 PBBA00305Z 144 PBBA00111Z PBBA00111Z PBBA00111Z PBBA00111Z PBBA00111Z PBBA0011Z PBBA00030Z 144 | | | | ļ | 1 | | 118 | | | | | |
| 46 PBDGA00303Z | | | | | | (RTL) | | PBDSA0112Z | Retard Spring | | | |
| 46 PBDGA0030Z Gear | 1 | | | | | (RTL) | 120 | PBJEA0498Y | | | | |
| 48 | 1 " | | | | | - 1 | | | 1 _ | | | |
| 48 PBDSA01117 | | | 1 | İ | | - 1 | | | | | | |
| PBUSA0046Z Retard Charge Spring 1 124 PBUEA0502Z Cable (CNS30-CNS31) 2 Cable (CNS10-CNS31) 2 Cable (CN | | | | | | | | | | | | 1 |
| So RWPS-025 Spacer 7 3 3 125 PBJEA0504Z Cable (CN511-CN820) 2 2 2 2 2 2 2 2 2 | | | | i | | ı | | | | | | |
| Space | 50 | | | | | - 1 | | | | | | |
| S2 FFLAWBC612ZZ Ball Bearing 14 2 2 2 2 2 2 2 2 2 | 51 | RWPS6-100 | | | | - 1 | | | | | | |
| PBDRA00132 | | | Ball Bearing | ŀ | | | | | | Į. | - 1 | |
| PBDRA0081Z | | | |] | 2 | 1 | 128 | PBJEA0523Z | | | | |
| Second Page Foundation Free Roller Spring F | | | | i | 1 | - 1 | 129 | PBJEA0524Z | | | | |
| 57 RWPS8-025 Spacer 1 132 PBDEA0117Z Pin 1 1 1 1 1 1 1 1 1 | | | | | | - 1 | 1 1 | | | | - 1 | |
| Second Page | | | | - | | - 1 | | | | 1 | 1 | |
| Feed Unit Fitting Plate 1 134 PBDRA0083Z Retard Roller 1 1 1 1 1 1 1 1 1 | | | | į | | - 1 | | | | | | |
| Factor F | | | | İ | | | | | | į | | |
| PBUL30Z | | | | ļ | | ŀ | | | | ! | | |
| PBUAX0123Z PBUSA0047Z PBUSA0047Z PBUSA0047Z PBUSA0047Z PBUSA0047Z PBUSA0047Z PBUSA0047Z PBUSA0043Z PBU | 1 | | . 5 | 1 | | - 1 | | | | İ | | |
| PBUSA0047Z PBUSA0047Z PBUSA0047Z PBUSA0047Z PBUSA0048Z PBUSA0048Z PBUSA0049Z PBDFA0129Z PBDFA0129Z PBDFA0029Z PBDFA0029Z PBDFA0029Z PBDFA0029Z PBDFA0029Z PBDFA0029Z PBDFA0029Z PBUSA0048Z PBU | | | | | | - 1 | | | | | - 4 | |
| PBUAX0124Z PBAPX2886045 PBULX0137Y PBULX0137Y PBULX0137Y PBUAX0129Z PBAPX2856045 PBUAX0137Y PBUAX0129Z PBAPX2856045 PBUAX0137Y PBUAX0129Z PBAPX2856045 PBUAX0137Y PBUAX0129Z PBAPX2856045 PBUAX0137Z PBAPX2936045 PBAPX2856045 | 63 | | Imprinter Door Lock Spring | | | - 1 | | | | | | |
| FBAPX2886045 PBAPX2886045 PBULX0137Y PBULX0137Y PBULX0137Y PBULX0137Y PBULX0137Y PBULX0137Y PBULX0137Y PBULX0137Y PBULX0137Z PBAPX2856045 PBAPX2866045 PBAPX2856045 PBAPX2856045 PBAPX2856045 PBAPX28 | | PBUAX0124Z | Outside Cover Chassis (L) | | | 1 | | | | i | | |
| FBULX013/Y Reinforcement Plate (Upper) 2 1 (RTL) 141 PBAPX2846045 DOUBLE FEED (Upper) 2 1 (RTL) 142 PBAPX2866045 STARTING POSITION SENSOR Board 1 (RTL) 143 PBAPX2936045 SENSOR Board 1 (RTL) 144 PBAPX2936045 SENSOR Board 1 (RTL) 145 PBUSA00432 Terror Roller Shaft 2 145 PBUSA00432 Terror Roller Shaft 2 146 PBHMA0164Z Cable Cover 2 1 (RTL) 147 PBMDA0548Z Sensor Plate 2 1 (RTL) 148 PBULA0141Z Reinforcement Plate 2 1 (RTL) 149 PBJEA0510Y Cable (Cis 10) for KV- 1 (RTL) 149 PBJEA0150Z PROJECTION Sheet 1 150 PBJEA0517Z Cable (Conveyor Motor) 1 (RTL) 147 PBJEA0529Z Cable (Conveyor Motor) 1 (RTL) 147 PBJEA0529Z Cable (Cis LED) for KV- 1 (RTL) 147 PBJEA0529Z Cable (Cis LED) for KV- 1 (RTL) 147 PBJEA0529Z Cable (Cis LED) for KV- 1 (RTL) 147 PBJEA0529Z Cable (Cis LED) for KV- 1 (RTL) 147 PBJEA0529Z Cable (Cis LED) for KV- 1 (RTL) (| | | | 1 | 1 | (RTL) | 140 | | | | | |
| Conveyor Spring Conveyor S | 66 | PBULX0137Y | | į | 1 | · · · | 141 | PBAPX2846045 | DOUBLE FEED | | | (BTL) |
| 68 PBAPX2856045 DOUBLE FEED 1 1 (RTL) 69 PBMDA0487Z PBDFA0129Z Free Roller Shaft 2 144 PBAPX2936045 ENDING SENSOR Board 1 (RTL) 70 PBDFA0129Z Free Roller Shaft 2 145 PBUSA0043Z Cable Cover 2 1 1 (RTL) 71 PBDRA0029Z Roller 8 FELAY (REAR) Board 1 (RTL) 72 PBAPX2996045 PBULX0137Z Reinforcement Plate 1 1 (RTL) 73 PBULX0137Z Reinforcement Plate 1 1 (RTL) 74 PBULA0149Z Reinforcement Plate 2 1 1 (PTL) 75 PBMDA0547Z Sensor Plate 1 1 1 150 PBJEA0510Y Cable (Corveyor Motor) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | C-7 | EDC 0007M | | | | - 1 | | | | | - | . , |
| DETECTOR (G) Board Fitting Plate 3 Free Roller Shaft 2 PBDRA0029Z PBDRA0029Z Roller Sale Reinforcement Plate 1 PBULX0137Z PBULX0137Z PBULX0137Z PBULX0149Z PB | | | | 1 | | | 142 | PBAPX2866045 | | | 1 | (RTL) |
| PBMDA0487Z Fitting Plate 3 144 PBAPX2936045 HOPPER POSITION Board 1 (RTL) |] °° | DAFA2836U45 | | ŀ | 1 | (RTL) | 1 | DD & DVODGOG (- | | | | |
| 70 PBDFA0129Z Free Roller Shaft 2 Roller Shaft 2 PBDRA0029Z Roller 5 RELAY (REAR) Board Reinforcement Plate 1 PBULX0137Z PBULX0137Z PBULX0137Z PBULX0137Z PBULX0137Z PBULX0137Z PBULX0137Z PBULX0149Z | 69 | PBMDA04877 | | 1 | ۱ و | i | | | | 1 | | |
| 71 PBDRA0029Z Roller 5 146 PBHMA0164Z Cable Cower 2 1 1 | | | | 9 | | - 1 | | | | į | | (RTL) |
| 72 PBAPX2996045 RELAY (REAR) Board | | _ | | į | | - 1 | | | | į | | |
| 73 PBULX0137Z Reinforcement Plate Upper) 1 148 PBULA0141Z Reinforcement Plate 2 1 1 149 PBULA0149Z Imprinter Fitting Plate 1 1 1 150 PBJEA0510Y Cable (CIS 10) for KV-S6045 Series Sensor Plate 1 1 150 PBJEA0517Z Cable (Conveyor Motor) 1 1 1 151 PBJEA0529Z Cable (CIS LED) for KV-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | Ì | | (BTI) | | | | | | |
| Upper 1 | 73 | | | ļ | | `/ | | | | | | |
| 74 PBULA0149Z Imprinter Fitting Plate 1 75 PBMDA0547Z Sensor Plate 1 1 76 PBHEA0150Z Protection Sheet 1 77 PBJEA0529Z Cable (Conveyor Motor) 1 78 PBJEA0529Z Cable (CIS LED) for KV- 1 | | | Upper) 1 | į | | 1 | | | | | | |
| 75 | | _ | | F | | I | | | | 1 | - 1 | |
| 76 PBHEA0150Z Protection Sheet 1 151 PBJEA0529Z Cable (CIS LED) for KV- 1 | | | | | - 1 | - 1 | | | Cable (Conveyor Motor) | 1 | 1 أ | |
| 1 S6045 Series | | | | | | | 151 | PBJEA0529Z | | Ī | | |
| | 11 | DJEAU494Z | Capie (Civous-imprinter) | | 1 | | | | S6045 Series | - | | |

| Ref | | | ISO | | |
|-----|--------------|--------------|------|------|-------------|
| No. | Parts No. | Description | Code | Q'ty | Remark |
| 152 | PBMDA0551Z | Plate | Jour | 2 | |
| 153 | LWS-1S | Edge Saddle | | 5 | |
| 154 | ASB-310 | Spacer | | 2 | |
| 155 | | Flat Belt | | 1 | |
| 156 | | Plate | | 1 | |
| | PBUEA0106Z | Plate | | | |
| 158 | · · · · · · | Edging | | 1 | |
| 159 | | Edging | | 1 | |
| 160 | 1 | Spacer | | 3 | |
| 161 | PBMEA0059Z | Plate | | 2 | |
| 162 | F-FLAW678AZZ | Ball Bearing | | 1 | |
| 163 | | Spacer | | 2 | |
| 164 | | Spacer | | 3 | |
| 165 | FGC-8 | Clamper | | 1 | |
| 166 | LWS-3S | Clamper | | 3 | |
| 167 | PBMDA0570Z | Plate | 1 | 1 | |
| 168 | SWD-05 | Spacer | | 1 | |
| 169 | KG-032-L56 | Bushing | 1 | i | |
| 170 | UAMS-05SN-W | Bushing | | 3 | |
| 171 | ASB-315 | Spacer | } | 1 | |
| 172 | | Sheet | | | |
| 173 | CS-2 | Clip | 1 | 2 | |
| 174 | | Clamper | | 1 | |
| 175 | PBJEA0613Z | Cable | | 2 | |
| | RWPS4-013 | Spacer | | 1 | |
| | PBUEA0130Z | Conveyor | 1 | i | |
| | XPJ2C12VW | Pin | ļ | 3 | |
| | XPJ2C10VW | PinP | ì l | 8 | |
| | XPL2B12WVW | Pin | | 2 | |
| | XTB3+6FFX | Screw | 1 | 4 | |
| 308 | XTW3+10PFX | Screw | [| | |
| 311 | XTW3+6LFX | Screw | | 76 | |
| 313 | XTW3+8LFX | Screw | | 1 | |
| 315 | XUC3FY | E-ring | [| 15 | |
| 316 | XUÇ4FY | E-ring | | 18 | |
| 317 | XUC5FY | E-ring | | 43 | |
| 318 | XUC6FY | E-ring | | 4 | |
| 320 | XWG6 | Washer | | 2 | |
| 322 | XYN2+J6FX | Screw | | 1 | |
| 323 | XYN23+J10FX | Screw | | 2 | |
| 327 | XYN26+J6FX | Screw | | 4 | |
| 331 | XYN4+J10FXS | Screw | | 4 | |
| 333 | XXE3F6FP | Screw | | 2 | |
| 336 | XNA3FX | Nut | | 1 | |
| 338 | XNG4BS | Nut | | 1 | |
| 342 | XYN4+F12FY | Screw | | 2 | |
| 343 | XSS5+8FX | Screw | | 1 | |
| 344 | XYN3+J6FX | Screw | | 2 | |
| | | | | | |



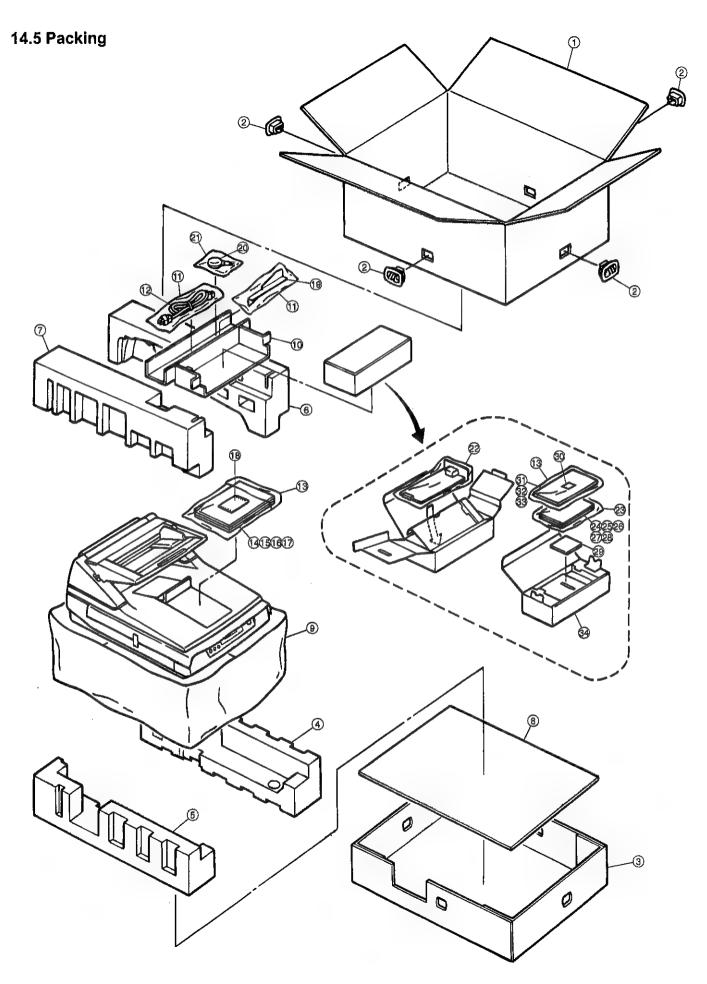
REPLACEMENT MECHANICAL PARTS LIST (Chassis)

| Ref No. | Part No. | Description | ISO Code | Q'ty | Remark |
|----------|--------------|------------------------------|----------|------|--------|
| 1 | CFX12AYG/36H | Lamp Holder | | 1 | |
| 2 | PBHAA0036Z-J | Carriage Unit | | 1 | |
| 3 | MSP31-X60 | Carriage Motor Mount | | 1 | |
| 4 | 103H549-0441 | Carriage Motor | | 1 1 | |
| 5 | PBDFA0113Z | Timing Pulley Shaft | | i | |
| 6 | | Timing Pulley Stratt | | | |
| | 100S2M1224GB | Coble (CNIC) Cordens Mater) | | | |
| 7 | PBJEA0521Z | Cable (CN361-Carriage Motor) | | | |
| 8 | PBMDA0476Z | Fitting Plate | | 1 | |
| 9 | PBMDA0498Z | Timing Pulley Fitting Plate | | 1 | |
| 10 | PBUDA0034Z | Timinng Pulley | | 2 | |
| 11 | RWPS6-050 | Spacer | | 4 | |
| 12 | PBHEA0092Z-J | FB Glass Base Assembly | | 1 | |
| 13 | PBHEA0093Z-J | ADF Glass Base Assembly | | 1 1 | İ |
| 14 | PBUAA0119Z | Side Frame | | 2 | |
| 15 | PBUEA0105Z | Carriage Guide Rail | | 1 | |
| 16 | PBUAA0120Z | Bottom Frame | | lil | |
| | | | | 9 | |
| 17 | ASB-310 | Spacer | | 3 | |
| 18 | ASB-318 | Spacer | | | |
| 19 | ASB-322 | Spacer | | !! | |
| 20 | ASB-340 | Spacer | | 4 | |
| 21 | PBUEA0107Z | PCB Guide Rail (A) | | 1 | |
| 22 | PBUEA0108Z | PCB Guide Rall (B) | | 1 ' | |
| 23 | PBUAA0118Z | Rear Frame | | 1 | |
| 24 | ASB-317 | Spacer | | 2 | 1 |
| 25 | EDS-1717U | Edge Saddle | | 2 | |
| 26 | PBUAA0117Z | Front Frame | } | 1 | |
| 27 | PBMDA0497Z | Front Cover Fitting Plate | 1 | l i | |
| 28 | C-30-RK-29 | Rubber Foot | 1 | 4 | |
| 29 | PBDFA0114Z | Tension Pulley Shaft | | 7 | |
| | | | | li | |
| 30 | PBDSA0105Z | Tension Spring | | | |
| 31 | PBHGA0055Z | Rubber | | 1 1 | |
| 32 | PBMDA0477Z | CIS Fitting Plate (L) | | 1 | |
| 33 | LWS-18 | Edge Saddle | | 3 | |
| 34 | PBDFA0112Z | Carriage Shaft | | 1 | |
| 35 | PBMDA0478Z | CIS Fitting Plate (R) | | 1 | |
| 36 | PBMCA0093Z | Shield Cover (A) | | 1 | |
| 37 | PBMCA0094Z | Shield Cover (B) | j | 1 | |
| 38 | PBMCA0096Z | Shield Cover (C) | 1 | 1 | |
| 39 | PBMCA0098Z | Shield Cover (D) | 1 | 1 1 | |
| 40 | PBHMA0157Z | Plate | | Ιi | |
| 41 | | Inside Cover Holding Plate | | Ιi | |
| | PBUEA0118Z | | | 1 | |
| 42 | PBHMA0166Z | Stopper Spring (R) | | 1 | |
| 43 | PBHMA0167Z | Stopper Spring (L) | | | |
| 44 | CS-2 | Clip | | 2 | |
| 45 | PBUEA0147Z | Plate | | 1 1 | |
| 46 | NF-1862-V0 | Clamper | | 1 | |
| 47 | PBUEA0146Z | Plate | | 1 | |
| 48 | PBMDA0561Z | Plate | J | 1 | |
| 49 | PBDGA0083Z | Gear | 1 | 1 | |
| 50 | PBDFA0175Z | Shaft | 1 | 1 | |
| 51 | PBMDA0577Z | Plate | | 1 | |
| 52 | PBHGA0067Z | Rubber | | Ιİ | |
| 53 | FFLAWBC510ZZ | Ball Bearing | | 2 | 1 |
| 54 | PBMEA0058Z | Shaft Holder | | 1 | |
| 54 55 | RWPS5-050 | Spacer | | l i | İ |
| 56 | DCM-4236A35 | Damper Coupling | | Ιi | |
| | | | 1 | | |
| 57 | PBMDA0576Z | Plate | 1 | | |
| 58 | RS7016 | Mount | 1 | 1 | |
| 59 | PBHEA0160Z | Sheet | | 1 | |
| 60 | AL5 | Clamper | | 1 | |
| 306 | XTN4+6FFX | Screw | | 1 | |
| 310 | XTS3+8FFX | Screw | | 2 | |
| 311 | XTW3+6LFX | Screw | | 61 | |
| 312 | XTW3+6LFZ | Screw | | 4 | |
| 313 | XTW3+8LFY | Screw | l | 6 | |
| 316 | XUC4FY | E-ring | • | 1 | |
| | | | | l å | |
| 324 | XYN3+B6FX | Screw | | 5 | |
| 326 | XYN3+F6FX | Screw | | | |
| 328 | XYN3+C6FX | Screw | | 19 | |
| 335 | XYN4+F8FX | Screw | | 2 | 1 |
| 336 | XNA3FX | Nut | | 1 | 1 |
| 339 | XXE3F3FPS | Screw | | 2 | 1 |
| 346 | XNG3BFX | Nut | | 1 | |
| 347 | XTW3+10LFX | Screw | | 4 | |
| 347 | X W3+10LFX | 2CLOM | | 4 | |



REPLACEMENT MECHANICAL PARTS LIST (Power Unit)

| Ref No. | Part No. | Description | ISO Code | Q'ty | Remark |
|---------|--------------|----------------------------|----------|------|-----------|
| 1 | PBAPX257255B | MAIN CONTROL Board | - | 1 | (RTL) |
| 2 | EDS-1208U | Edge Saddle | | 2 | . , |
| 3 | PBMDA0481Z | Fitting Plate | | 1 | |
| 4 | PBAPX258255A | SCSI Board | | 1 | (RTL) |
| 5 | PBMDA0499Z-J | SCSI Board Fitting Plate | 1 | 1 | [··· - 7 |
| 5 | PBUEA0144Z | SCSI Board Fitting Plate | | 1 | |
| 6 | LWS1SV0BK | Edge Saddle | | 1 | |
| 7 | PBAPX3276045 | POWER Board | 1 | 1 | (RTL) |
| 8 | PBJEA0090Z | Fan | 1 | 1 | (1112) |
| 9 | PBJEA0525Z | Cable (+5V) | | 2 | |
| 10 | PBJEA0526Z | Cable (+24V) | | 2 | |
| 11 | PBJEA0528Y | Cable (AC Inlet) | | 1 | |
| 12 | PBJEA0611Z | Cable (DC Fan Relay) | | l i | |
| 13 | PBMDA0482Z | Bracket | | ; | |
| 14 | PBMXA0040Z | POWER Board Sheet | | l i | |
| 15 | PBUVA0027Z | Fan Cover | | ; | |
| 16 | YMC10-0 | Clamp | | 2 | |
| 17 | PBMCA0092Z-J | Shield Cover | | 1 | |
| 18 | PBAPX2606045 | DRIVE Board | | li | (DT) |
| 19 | PBAPX2796045 | MOTHER Board | | | (RTL) |
| | | | | | (RTL) |
| 20 | PBAPX2816045 | CARRIAGE HOME SENSOR Board | | 1 | (RTL) |
| 21 | PBJEA0511Y-J | Cable (CN501-CN2010) | | 1 1 | |
| 22 | PBJEA0512Y-J | Cable (CN504-CN2009) | | 1 | |
| 23 | PBJEA0514Z | Cable (CN516-CN2011) | | 1 | |
| 24 | PBJEA0516Z | Cable (CN327-CIS) | | 1 1 | |
| 25 | PBJEA0518Z | Cable (CN351) | | 1 | |
| 26 | PBJEA0519Z | Cable (CN341) | | 1 | |
| 27 | PBJEA0520Z | Cable (CN332) | | 1 | |
| 28 | TMM6463 | Clamper | | 4 | |
| 29 | NF-1862-V0 | Clamper | | 1 | |
| 30 | PBJEA0515Z | Cable (CN536-CN2007) | |] | |
| 31 | A-46-5 | Handle | |] | |
| 32 | PBHDA0006Y | Cable (CCD Flexible) | | 1 1 | |
| 310 | XTW3+30LFX | Screw | | 2 | |
| 311 | XTW3+6LFX | Screw | | 15 | |
| 313 | XTW3+8LFY | Screw | | 3 | |
| 321 | XSN3+6FX | Screw | | 2 | |
| 325 | XSN25+4FX | Screw | | 4 | |
| 326 | XYN3+F6FX | Screw | | 3 | |
| 329 | XYN4+C6FX | Screw | | 1 | |
| 330 | XYN3+B6FX | Screw | | 9 | |
| 332 | XSB26+4FX | Screw | | 2 | |



REPLACEMENT MECHANICAL PARTS LIST (Packing)

| Ref No. | Part No. | Description | ISO Code | Qʻty | Remark |
|---------|--------------|----------------------------------|----------|-------|--------|
| 1 | PBPGA0338Z | Outer Carton for KV-S6045W | | 1 | |
| 1 | PBPGA0341Z | Outer Carton for KV-S6040W | | 1 1 | |
| 2 | HP-601W2 | Joint | | 4 | |
| 3 | PBPGA0339Z | Carton | | l i | |
| 4 | PBPQA0110Z | Cushion | | 1 | |
| 5 | PBPQA0111Z | Cushion | İ | 1 | |
| 6 | PBPQA0113Z | Cushion (R) | | 1 | |
| 7 | PBPQA0114Z | Cushion (L) | | 1 | |
| 8 | PAPNA0244Z | Bottom Pad | | i | |
| 9 | PBPPA0025Z | Cover | | i i | |
| 10 | PBPNA0242Z | Parts Box | | ì | |
| 11 | XZB13X30A04 | Cover | | ż | |
| 12 | PBJEA0070Z | AC Cord | | 1 | |
| 13 | XZB25X40A04R | Cover for Manual | | ż | |
| 14 | PBQX50233Y | Operation Manual | ŀ | 1 | |
| 15 | PBQX50234Y | Installation Manual | + | • | |
| 16 | PBQX50235Y | Maintenance Manual | 1 | i | |
| 17 | PBQX70014Z | Warranty Card | | i | |
| 18 | PBHSA0055Z | Cleaning Paper | | i i | |
| 19 | PBMDA0575Z-J | Hopper Attachement | | i | |
| 20 | PBHEA0142Z | Blower | | i i | |
| 21 | ZPFG88AU0A | Blower | | i i | |
| 22 | ZVC0XJ4021 | Cover for SCSI Board | | 1 | |
| 23 | XZB23X17A03 | Cover for FD | | 1 | ļ |
| 24 | PBAQX01S46-J | FD with Software (ISIS) | l . | i | |
| 25 | PBAQX02S43-J | FD with Software (PIXVIEW3.1(1)) | | i i | |
| 26 | PBAQX03S43-J | FD with Software (PIXVIEW3.1(2)) | | i | |
| 27 | PBAQX04S43-J | FD with Software (PIXVIEW-NT(1)) | | i | |
| 28 | PBAQX05S43-J | FD with Software (PIXVIEW-NT(2)) | | i | |
| 29 | PBAQX02S46-J | FD with Software (TWAIN) | | i | |
| 30 | PBQAA0173Z | Customer Label | | i | |
| 31 | PBQX50238Z | Installation Manual | | 2 | |
| 32 | PBQX90106Z | ISIS Installation Manual | | 1 | |
| 33 | PBQX90107Z | TWAIN Installation Manual | | i | |
| 34 | PBPGA0323Z | Carton Box | | i i . | |
| | PBPNA0234ZA | Cushion | | l i | , |
| | PBPNA0237ZA | Parts Box | | i | |



SECTION 15 REPLACEMENT PARTS LIST

Important Safety Notice

Components identified by \triangle mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

Notes: RTL (Retention Time Limited)

The marking (RTL) indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention.

After the end of this period, the assembly will no longer be available.

Unique Parts Indication

The marking (M) in the Ref. No. column indicates unique parts for KV-SS855.

The marking (U) in the Ref. No. column indicates unique parts for KV-SS855U.

Abbreviation of Part Name and Description

1. Resistor

Example:

ERJ6GEYJ472 <u>C</u> 4.7k, <u>J</u>, 1/10W

| TYPE | ALLOWANCE |
|----------------|-----------|
| C: Carbon | F: ±1% |
| F: Fuse | G: ±2% |
| M: Metal Oxide | J: ±5% |
| Metal Film | K: ±10% |
| S: Solid | M: ±20% |
| W: Wire Wound | |

2. Capacitor

Example:

ECUX1H104ZFX <u>C</u> 0.1, <u>Z</u>, 50V TYPE ALLOWANCE

| TYPE | ALLOWANCE |
|--|--|
| C : Ceramic E : Electrolytic P : Polyester | C: ±0.25 pF D: ±0.5 pF F: ±1 pF |
| Polypropylene T: Tantalum | J: ±5% K: ±10% L: ±15% M: ±20% P:+100%, -0% Z:+80%, -20% |

MAIN CONTROL Board

| Ref No. | Part No. | | De | escrip | tion | |
|---------|-------------|---|-------|--------|---------------|--|
| | RESISTORS | | | | | |
| R1001 | ERJ6GEYJ181 | С | 180, | J, | 1/10W | |
| R1002 | ERJ3GEYJ561 | C | 560, | J, | 1/16W | |
| R1003 | ERJ6GEYJ181 | C | 180, | J, | 1/10W | |
| R1004 | ERJ3GEYJ561 | С | 560, | J, | 1/16W | |
| R1005 | ERJ3GEYJ472 | С | 4.7k, | J, | 1/16W | |
| R1006 | ERJ3GEYJ472 | С | 4.7k, | J, | 1/16W | |
| R1007 | ERJ3GEYJ223 | С | 22k, | J, | 1/16W | |
| R1008 | ERJ3GEYJ561 | C | 560, | J, | 1/16W | |
| R1009 | ERJ3GEYJ470 | C | 47, | J, | 1/16W | |
| R1010 | ERJ3GEYJ683 | C | 68k, | J, | 1/16 W | |
| R1011 | ERJ3GEYJ333 | C | 33k, | J, | 1/16W | |
| R1013 | ERJ3GEYJ220 | С | 22, | J, | 1/16W | |
| R1014 | ERJ3GEYJ223 | C | 22k, | J, | 1/16W | |
| R1041 | ERJ6GEYJ181 | C | 180, | J, | 1/10W | |
| R1042 | ERJ3GEYJ561 | C | 560, | J, | 1/16 W | |
| R1043 | ERJ6GEYJ181 | C | 180, | J, | 1/10W | |
| R1044 | ERJ3GEYJ561 | С | 560, | J, | 1/16W | |
| R1047 | ERJ3GEYJ223 | Ç | 22k, | J, | 1/16W | |
| R1048 | ERJ3GEYJ561 | С | 560, | J, | 1/16W | |
| R1049 | ERJ3GEYJ470 | С | 47, | J, | 1/16W | |
| R1050 | ERJ3GEYJ683 | C | 68k, | J, | 1/16W | |
| R1051 | ERJ3GEYJ333 | C | 33k, | J, | 1/16W | |
| R1053 | ERJ3GEYJ220 | С | 22, | J, | 1/16W | |
| R1054 | ERJ3GEYJ223 | С | 22k, | J, | 1/16W | |

| Ref No. | Part No. | | De | scrip | tion | |
|---------|-------------|-----|-------|-------|---------------|--|
| R1055 | ERJ3GEYJ272 | С | 2.7k, | J, | 1/16W | |
| R1056 | ERJ3GEYJ222 | C | 2.2k, | J, | 1/16W | |
| R1057 | ERJ3GEYJ222 | C | 2.2k, | J, | 1/16W | |
| R1101 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/1 6W | |
| R1102 | ERJ3GEYJ220 | C. | 22, | J, | 1/16W | |
| R1103 | ERJ3GEYJ220 | C | 22, | J, | 1/16W | |
| R1104 | ERJ3GEYJ220 | C | 22, | J, | 1/16W | |
| R1105 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | |
| R1106 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | |
| R1107 | ERJ3GEYJ103 | C | 10k, | J, | 1/16 W | |
| R1108 | ERJ3GEYJ220 | C | 22, | J, | 1/16W | |
| R1111 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | |
| R1112 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | |
| R1113 | ERJ3GEYJ220 | C | 22, | J, | 1/16W | |
| R1114 | ERJ3GEYJ220 | C | 22, | J, | 1/16W | |
| R1115 | ERJ3GEYJ220 | C | 22, | J, | 1/16W | |
| R1116 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | |
| R1117 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | |
| R1118 | ERJ3GEYJ220 | C | 22, | J, | 1/16W | |
| R1120 | ERJ3GEYJ472 | l c | 4.7k, | J, | 1/16W | |
| R1121 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W | |
| R1122 | ERJ3GEYJ103 | С | 10k, | J, | 1/16W | |
| R1123 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | |
| R1124 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | |
| R1125 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | |

| Ref No. | Part No. | Ì | • | escri | ption |
|----------------|----------------------------|--|--------------|----------|---|
| R1130 | ERJ3GEYJ681 | С | 680, | J, | 1/16W |
| R1131 | ERJ3GEYJ681 | С | 680, | J, | 1/16W |
| R1132 R1133 | ERJ3GEYJ681 ERJ3GEYJ681 | C | 680, 680, | J, | 1/16W 1/16W |
| R1141 | ERJ3GEYJ103 | Ç | 10k, | J, J, | 1/16W |
| R1142 | ERJ3GEYJ103 | Č | 10k, | J, | 1/16W |
| R1143 | ERJ3GEYJ681 | С | 680, | J, | 1/16W |
| R1144 | ERJ3GEYJ681 | C | 680, | J, | 1/16W |
| R1145 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W |
| R1146 R1147 | ERJ3GEYJ472 ERJ3GEYJ220 | C | 4.7k, 22, | J. J, | 1/16W 1/16W |
| R1148 | ERJ3GEYJ103 | c | 10k, | J, | 1/16W |
| R1149 | ERJ3GEYJ101 | C | 100, | Ĵ, | 1/16W |
| R1150 | ERJ3GEYJ103 | С | 10k, | J, | 1/16W |
| R1201 | ERJ3GEYJ220 | C | 22, | J, | 1/16W |
| R1202 R1203 | ERJ3GEYJ220 ERJ3GEYJ220 | C | 22, 22, | J, J, | 1/16W 1/16W |
| R1203 | ERJ3GEYJ220 | C | 22, 22, | J, | 1/16W |
| R1205 | ERJ3GEYJ220 | c | 22, | J, | 1/16W |
| R1206 | ERJ3GEYJ220 | C | 22, | J, | 1/16W |
| R1207 | ERJ3GEYJ220 | C | 22, | J, | 1/16W |
| R1208 | ERJ3GEYJ220 | C | 22, | J, | 1/16W |
| R1209 R1210 | ERJ3GEYJ220 ERJ3GEYJ220 | C | 22, 22, | ქ, ქ, | 1/16W 1/16W |
| R1211 | ERJ3GEYJ220 | c | 22, 22, | ر. ال | 1/16W |
| R1212 | ERJ3GEYJ220 | c | 22, | J, | 1/16W |
| R1213 | ERJ3GEYJ220 | C | 22, | J, | 1/16W |
| R1214 | ERJ3GEYJ220 | С | 22, | J, | 1/16W |
| R1220 | ERJ3GEYJ103 | С | 10k, | J, | 1/16W |
| R1221 R1222 | ERJ3GEYJ103 ERJ3GEYJ103 | CC | 10k, 10k, | J, | 1/16W |
| R1223 | ERJ3GEYJ103 | c | 10k, | J, J, | 1/16W 1/16W |
| R1224 | ERJ3GEYJ103 | č | 10k, | J, | 1/16W |
| R1225 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W |
| R1226 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W |
| R1227 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W |
| R1228 R1229 | ERJ3GEYJ103 ERJ3GEYJ103 | CC | 10k, 10k, | J, J, | 1/16W 1/16W |
| R1230 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W |
| R1231 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W |
| R1232 | ERJ3GEYJ220 | С | 22, | J, | 1/16W |
| R1240 | ERJ3GEYJ560 | C | 56, | J, | 1/16W |
| R1241 R1242 | ERJ3GEYJ472 | CC | 4.7k, 56, | ۱, | 1/16W 1/16W |
| R1245 | ERJ3GEYJ560 ERJ3GEYJ220 | C | 22, | ا, ال | 1/16W |
| R1246 | ERJ3GEYJ220 | C | 22, | J, | 1/16W |
| R1247 | ERJ3GEYJ220 | C | 22, | J, | 1/16W |
| R1248 | ERJ3GEYJ220 | C | 22, | J, | 1/16W |
| R1249 | ERJ3GEYJ220 | C | 22, | J, | 1/16W |
| R1250 R1251 | ERJ3GEYJ220 ERJ3GEYJ220 | CC | 22, 22, | J, | 1/16W 1/16W |
| R1252 | ERJ3GEYJ220 | C | 22, | J, J, | 1/16W |
| R1253 | ERJ3GEYJ220 | C | 22, | J, | 1/16W |
| R1254 | ERJ3GEYJ220 | C | 22, | J, | 1/16W |
| R1255 | ERJ3GEYJ220 | C | 22, | J, | 1/16W |
| R1256 | ERJ3GEYJ220 | CC | 22, | J, | 1/16W |
| R1257 R1258 | ERJ3GEYJ220 ERJ3GEYJ220 | C | 22, 22, | J, J, | 1/16W 1/16W |
| R1259 | ERJ3GEYJ220 | c | 22, | J, | 1/16W |
| R1271 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W |
| R1272 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W |
| R1273 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W |
| R1274 | ERJ3GEYJ103 ERJ3GEYJ103 | C | 10k, | J, | 1/16W |
| R1275 R1276 | ERJ3GEYJ103 ERJ3GEYJ103 | C | 10k, 10k, | J, J, | 1/16W 1/16W |
| R1277 | ERJ3GEYJ103 | c | 10k, | J, | 1/16W |
| R1278 | ERJ3GEYJ103 | c | 10k, | J, | 1/16W |
| R1279 | ERJ3GEYJ103 | С | 10k, | J, | 1/16W |
| R1280 | ERJ3GEYJ103 | Ç | 10k, | J, | 1/16W |
| R1281 R1282 | ERJ3GEYJ103 ERJ3GEYJ103 | C | 10k, | J, | 1/16W |
| R1282 R1283 | ERJ3GEYJ103 ERJ3GEYJ560 | C | 10k, 56, | J, J, | 1/16W 1/16W |
| | | ــــــــــــــــــــــــــــــــــــــ | | | *************************************** |

| | r | |
|-----------------|------------------------------|----------------------------------|
| Ref No. | Part No. | Description |
| J1202 J1203 | ERJ3GEY0R00 ERJ3GEY0R00 | 0-ohm Jumper |
| J1205 | ERJ3GEY0R00 | 0-ohm Jumper 0-ohm Jumper |
| J1207 | ERJ3GEY0R00 | 0-ohm Jumper |
| Z1001 | MNR14E0AJ220 | Resistor Array |
| Z1002 Z1003 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1003 | MNR14E0AJ220 | Resistor Array |
| Z1005 | MNR14E0AJ220 | Resistor Array |
| Z1006 | MNR14E0AJ472 | Resistor Array |
| Z1007 Z1008 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1101 | MNR14E0AJ472 | Resistor Array |
| Z1102 | MNR14E0AJ472 | Resistor Array |
| Z1103 | MNR14E0AJ332 | Resistor Array |
| Z1104 Z1105 | MNR14E0AJ332 MNR14E0AJ472 | Resistor Array Resistor Array |
| Z1106 | MNR14E0AJ472 | Resistor Array |
| Z1107 | MNR14E0AJ472 | Resistor Array |
| Z1108 Z1109 | MNR14E0AJ472 MNR14E0AJ103 | Resistor Array |
| Z11109 Z1110 | MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1111 | MNR14E0AJ220 | Resistor Array |
| Z1112 | MNR14E0AJ220 | Resistor Array |
| Z1113 Z1114 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1116 | MNR14E0AJ220 | Resistor Array |
| Z1116 | MNR14E0AJ220 | Resistor Array |
| Z1117 Z1118 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1119 | MNR14E0AJ220 | Resistor Array |
| Z1120 | MNR14E0AJ220 | Resistor Array |
| Z1121 | MNR14E0AJ220 | Resistor Array |
| Z1122 Z1123 | MNR14E0AJ220 MNR14E0AJ103 | Resistor Array Resistor Array |
| Z1124 | MNR14E0AJ472 | Resistor Array |
| Z1125 | MNR14E0AJ472 | Resistor Array |
| Z1126 Z1127 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1128 | MNR14E0AJ220 | Resistor Array |
| Z1163 | MNR14E0AJ220 | Resistor Array |
| Z1164 Z1165 | MNR14E0AJ220 MNR14E0AJ103 | Resistor Array Resistor Array |
| 21166 | MNR14E0AJ103 | Resistor Array |
| Z1167 | MNR14E0AJ472 | Resistor Array |
| Z1201 Z1202 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1203 | MNR14E0AJ220 | Resistor Array |
| Z1204 | MNR14E0AJ220 | Resistor Array |
| Z1205 Z1206 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1207 | MNR14E0AJ220 | Resistor Array |
| Z1208 | MNR14E0AJ220 | Resistor Array |
| Z1209 Z1210 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1210 Z1211 | MNR14E0AJ220 | Resistor Array |
| Z1212 | MNR14E0AJ220 | Resistor Array |
| Z1213 Z1214 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array |
| Z1214 Z1215 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1216 | MNR14E0AJ220 | Resistor Array |
| Z1217 Z1218 | MNR14E0AJ220 | Resistor Array |
| Z1218 Z1219 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1220 | MNR14E0AJ220 | Resistor Array |
| Z1221 | MNR14E0AJ220 | Resistor Array |
| Z1222 Z1223 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1224 | MNR14E0AJ220 | Resistor Array |
| Z1225 | MNR14E0AJ220 | Resistor Array |
| Z1226 Z1227 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| | | |

| WAIN CO | NIROL Board | · · · · · · · · · · · · · · · · · · · |
|----------------|------------------------------|---------------------------------------|
| Ref No. | Part No. | Description |
| Z1228 | MNR14E0AJ220 | Resistor Array |
| Z1229 | MNR14E0AJ220 | Resistor Array |
| Z1230 Z1231 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1232 | MNR14E0AJ220 | Resistor Array |
| Z1233 | MNR14E0AJ220 | Resistor Array |
| Z1234 | MNR14E0AJ220 | Resistor Array |
| Z1235 | MNR14E0AJ220 | Resistor Array |
| Z1242 Z1243 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1244 | MNR14E0AJ220 | Resistor Array |
| Z1245 | MNR14E0AJ220 | Resistor Array |
| Z1246 | MNR14E0AJ220 | Resistor Array |
| Z1247 Z1248 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1249 | MNR14E0AJ220 | Resistor Array |
| Z1250 | MNR14E0AJ220 | Resistor Array |
| Z1251 | MNR14E0AJ220 | Resistor Array |
| Z1252 Z1253 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1254 | MNR14E0AJ220 | Resistor Array |
| Z1255 | MNR14E0AJ220 | Resistor Array |
| Z1256 | MNR14E0AJ220 | Resistor Array |
| Z1257 Z1258 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1250 | MNR14E0AJ220 | Resistor Array |
| Z1260 | MNR14E0AJ220 | Resistor Array |
| Z1261 | MNR14E0AJ220 | Resistor Array |
| Z1262 Z1263 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1264 | MNR14E0AJ220 | Resistor Array |
| Z1265 | MNR14E0AJ220 | Resistor Array |
| Z1266 | MNR14E0AJ220 | Resistor Array |
| Z1267 Z1268 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1269 | MNR14E0AJ220 | Resistor Array |
| Z1270 | MNR14E0AJ220 | Resistor Array |
| Z1271 Z1272 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z1273 | MNR14E0AJ220 | Resistor Array |
| Z1274 | MNR14E0AJ220 | Resistor Array |
| Z1276 | MNR14E0AJ220 | Resistor Array |
| Z1277 Z1278 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| 212/0 | MINH 14EUAJ22U | nesisioi Ariay |
| | CAPACITORS | |
| C1001 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1002 C1003 | EGUX1C104ZFV EGUX1C104ZFV | C 0.1, Z, 16V C 0.1, Z, 16V |
| C1004 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1005 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1006 | ECUX1C104ZFV | C 0.1, Z, 16V C 47P, J, 50V |
| C1007 C1008 | ECUX1H470JCV | C 47P, J, 50V C 47P, J, 50V |
| C1009 | ECUX1H470JCV | C 47P, J, 50V |
| C1010 | ECUX1H470JCV | C 47P, J, 50V |
| C1011 | ECEV1AA101SP ECUX1C104ZFV | C 100, 10V C 0.1, Z, 16V |
| C1012 C1013 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1014 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1015 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1016 | ECUX1C104ZFV | C 0.1, Z, 16V C 1, Z, 16V |
| C1017 C1018 | ECUX1C105ZFW ECUX1C105ZFW | C 1, Z, 16V C 1, Z, 16V |
| C1019 | ECUX1C105ZFW | C 1, Z, 16V |
| C1021 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1031 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1032 C1033 | ECUX1C104ZFV ECUX1C104ZFV | C 0.1, Z, 16V C 0.1, Z, 16V |
| C1033 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1035 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1036 | ECUX1C104ZFV | C 0.1, Z, 16V |
| | | |

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|----------------|------------------------------|--------------|------------------------|------------------|-------------|
| Ref No. | Part No. | | De | scrip | tion |
| C1037 | ECUX1H470JCV | C | 47P, | J, | 50V |
| C1038 C1039 | ECUX1H470JCV ECUX1H470JCV | C | 47P, 47P, | J, J, | 50V 50V |
| C1040 | ECUX1H470JCV | c | 47P, | J, | 50V |
| C1041 | ECEV1AA101SP | C | 100, | - / | 10V |
| C1043 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1044 | ECUX1C104ZFV | C | 0,1, | Ζ, | 16V |
| C1045 C1046 | ECUX1C104ZFV ECUX1C104ZFV | C | 0.1, 0.1, | Z, Z, | 16V 16V |
| C1046 | ECUX1C105ZFW | č | 1, | Z, | 16V |
| C1048 | ECUX1C105ZFW | č | i, | Z, | 16V |
| C1049 | ECUX1C105ZFW | С | 1, | Z, | 16V |
| C1051 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1061 C1062 | ECUX1C104ZFV ECEV1EA4R7SR | C | 0.1, 4.7, | Z, | 16V 25V |
| C1062 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1064 | ECEV1AA221 | Č | 220, | _, | 10V |
| C1065 | ECEV1AA221 | С | 220, | | 10V |
| C1068 | ECUX1H101JCV | C | 100P, | J, | 50V |
| C1069 | ECUX1C104ZFV ECUX1H101JCV | C | 0.1, 100P, | Ζ, | 16V 50V |
| C1070 C1071 | ECUXIC104ZFV | c | 0.1, | J, Z, | 16V |
| C1101 | ECUX1C224ZFV | c | 0.22, | Z, | 16V |
| C1102 | ECUX1C224ZFV | С | 0.22, | Z, | 16V |
| C1103 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1104 | ECEVIAA101SP | C | 100, | | 10V 50V |
| C1105 C1106 | ECUX1H220JCV ECUX1H220JCV | C | 22P, 22P, | J, J, | 50V |
| C1107 | ECUX1C104ZFV | č | 0.1, | Z, | 16V |
| C1108 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1109 | ECUX1C104ZFV | C | 0.1, | Z, | 18V |
| C1110 | ECUX1C104ZFV | C | 0.1, | Ż, | 16V 16V |
| C1111 C1112 | ECUX1C104ZFV ECEV1AA101SP | C | 0.1, 100, | Z, | 10V |
| C1113 | EGUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1114 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1115 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1116 C1118 | ECUX1C104ZFV ECUX1C102KBV | CC | 0.1, 1000P, | Z, K, | 16V 16V |
| C1118 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| G1120 | ECUX1C102KBV | С | 1000P, | K, | 16V |
| C1130 | ECUX1H101JCV | C | 100P, | J, | 50V |
| C1133 | ECUX1H101JCV | C | 100P, | J, | 50V |
| C1134 C1135 | ECUX1H101JCV ECUX1C104ZFV | C | 100P, 0.1, | J, Z, | 50V 16V |
| C1136 | ECUX1C104ZFV | c | 0.1, | Z, | 16V |
| C1137 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1138 | EGUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1139 | ECUX1C104ZFV | 00 | 0.1, 100, | Z, | 16V 10V |
| C1140 C1141 | ECEV1AA101SP ECEV1AA101SP | C | 100, | | 10V |
| C1142 | EGEV1AA101SP | C | 100, | | 10V |
| C1143 | ECEV1AA101SP | С | 100, | | 10V |
| C1144 | ECUX1C104ZFV | C | 0,1, | Z, | 16V |
| C1145 C1146 | ECEV1AA101SP ECEV1AA101SP | C | 100, 100, | | 10V 10V |
| C1146 | ECEVIAA101SP | Č | 100, | | 10V |
| C1148 | ECEV1AA101SP | C | 100, | | 10V |
| C1149 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1150 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1151 C1152 | ECUX1C104ZFV ECUX1H101JCV | C | 0.1, 1 0 0P, | Z , J, | 16V 50V |
| C1152 | ECUX1H1013CV | C | 22P, | J, | 50 V |
| C1154 | ECUX1H220JCV | Č. | 22P | J, | 50V |
| C1155 | ECUX1H220JCV | C | 22P, | J, | 50V |
| C1156 | ECUX1H220JCV | C | 22P, | J, | 50V |
| C1157 C1158 | ECUX1H220JCV ECUX1H220JCV | C | 22P. 22P. | J, J, | 50V 50V |
| C1156 | ECUX1H101JCV | C | 100P | J, | 50V |
| C1160 | ECUX1H101JCV | Č | 100P | J, | 50 V |
| C1161 | ECUX1H101JCV | C | 100P | J, | 50V 50V |
| C1162 | ECUX1H101JCV | l C | 100P, | J, | |

| MAIN CO | (continued) | | | | |
|----------------|------------------------------|----------|----------------|----------|------------|
| Ref No. | Part No. | | De | escrij | ption |
| C1163 | ECUX1H101JCV | С | 100P, | J, | 50V |
| C1164 | ECUX1H101JCV | C | 100P, | J, | 50V |
| C1201 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1202 C1203 | ECUX1C104ZFV ECUX1C104ZFV | C C | 0.1, 0.1, | Z, Z, | 16V 16V |
| C1203 | ECUX1C104ZFV | č | 0.1, | Z, Z, | 16V |
| C1205 | ECUX1C104ZFV | ç | 0.1, | Z, | 16V |
| C1206 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1207 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1208 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1209 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1211 | ECUX1C104ZFV | CC | 0.1, 0.1, | Z, | 16V 16V |
| C1212 C1213 | ECUX1C104ZFV ECUX1C104ZFV | C | 0.1, | Z, Z, | 16V |
| C1214 | ECUX1C104ZFV | Č | 0.1, | Z, | 16V |
| C1215 | ECUX1C104ZFV | c | 0.1, | Z, | 16V |
| C1216 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1217 | EGUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1218 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1220 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1221 C1222 | ECUX1C104ZFV ECUX1C104ZFV | C | 0.1, | Z, | 16V 16V |
| C1222 | ECUX1C104ZFV | c | 0.1, 1000P, | Z, K, | 16V |
| C1224 | ECUX1C104ZFV | c | 0.1, | Z, | 16V |
| C1225 | ECUX1C102KBV | c | 1000P, | ĸ, | 167 |
| C1226 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1227 | ECUX1C102KBV | С | 1000P, | K, | 16V |
| C1228 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1229 | ECUX1C102KBV | C | 1000P, | K, | 16V |
| C1230 C1231 | ECUX1C104ZFV ECUX1C102KBV | CC | 0.1, 1000P, | Z, K, | 16V 16V |
| C1231 | ECUX1C104ZFV | c | 0.1, | Z, | 16V |
| C1233 | ECUX1C102KBV | C | 1000P, | K, | 167 |
| C1234 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1235 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1236 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1240 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1241 C1242 | ECUX1C104ZFV ECUX1C104ZFV | C | 0.1, 0.1, | Z, Z, | 16V 16V |
| C1242 | ECUX1C104ZFV | c | 0.1, | Z, Z, | 16V |
| C1244 | ECUX1C104ZFV | c | 0.1, | Z, | 16V |
| C1245 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1246 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1247 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1248 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1249 C1250 | ECUX1C104ZFV ECUX1C104ZFV | c | 0.1, 0.1, | Z, Z, | 16V 16V |
| C1251 | ECUX1C104ZFV | č | 0.1, | Z, | 16V |
| C1252 | ECUX1C104ZFV | Č | 0.1, | Z, | 16V |
| C1253 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1254 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1255 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1256 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1257 C1258 | ECUX1C104ZFV ECUX1C104ZFV | C | 0.1, 0.1, | Z, Z, | 16V 16V |
| C1259 | ECUX1C104ZFV | C | 0.1, | Z, Z, | 16V |
| C1260 | EGUX1C104ZFV | č | 0.1, | Z, | 16V |
| C1261 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1262 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C1263 | ECUX1C102KBV | C | 1000P, | K, | 16V |
| C1264 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1265 C1266 | ECUX1C102KBV ECUX1C104ZFV | C . | 1000F, 0.1, | K, | 16V 16V |
| C1266 C1267 | ECUX1C104ZFV ECUX1C102KBV | C | 0.1, 1000P, | Z, K, | 16V |
| C1267 | ECUX1C104ZFV | c | 0.1, | Z, | 16V |
| C1269 | ECUX1C102KBV | C | 1000P, | K, | 16V |
| C1270 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1271 | ECUX1C102KBV | С | 1000P, | Κ, | 16V |
| C1272 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C1273 | ECUX1C102KBV | C | 1000P, | K, | 16V |
| C1274 C1275 | ECUX1C104ZFV ECUX1C104ZFV | C | 0.1, 0.1, | Z, Z, | 16V 16V |
| | | <u> </u> | ٧.١, | رے | 107 |

| Ref No. | Part No. | Description |
|------------------|------------------------------|---------------------------------|
| C1276 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1277 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1278 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1279 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C1280 | ECUX1C104ZFV | C 0.1, Z, 16V |
| Z1140 Z1141 | EZASCE220M EZASCE220M | Capacitor Array Capacitor Array |
| Z1141 Z1142 | EZASCE220M | Capacitor Array |
| Z1143 | EZASCE220M | Capacitor Array |
| Z1144 | EZASCE220M | Capacitor Array |
| Z1145 | EZASCE220M | Capacitor Array |
| Z1146 | EZASCE220M | Capacitor Array |
| Z1147 | EZASCE101M | Capacitor Array |
| Z1148 | EZASCE101M | Capacitor Array |
| Z1149 | EZASCE101M | Capacitor Array |
| Z1150 | EZASCE101M | Capacitor Array |
| Z1151 | EZASCE101M | Capacitor Array |
| Z1152 Z1153 | EZASCE101M EZASCE101M | Capacitor Array Capacitor Array |
| Z1154 | EZASCE101M | Capacitor Array |
| Z1155 | EZASCE220M | Capacitor Array |
| Z1156 | EZASCE101M | Capacitor Array |
| Z1157 | EZASCE101M | Capacitor Array |
| Z1158 | EZASCE220M | Capacitor Array |
| Z1159 | EZASCE220M | Capacitor Array |
| Z1160 | EZASCE101M | Capacitor Array |
| Z1161 | EZASCE220M | Capacitor Array |
| Z1162 | EZASCE220M | Capacitor Array |
| | COILS | |
| L1001 | LQH4N220K04 | Coil |
| L1002 | LQH4N220K04 | Coll |
| L1103 | BLM11A601SPT | Chip Core |
| L1201 | BLM11A601SPT | Chip Core |
| 1 | | |
| Dinoi | DIODES | Blade |
| D1001 D1101 | MA132A BR1102W | Diode |
| D1102 | BR1102W | LED |
| D1103 | BR1102W | LED |
| D1104 | BR1102W | LED |
| D1105 | BR1102W | LED |
| D1106 | BR1102W | LED |
| | | |
| Q1001 | TRANSISTORS 2SA1037K | Transistor |
| Q1001 Q1002 | 2SA1037K | Transistor |
| Q1002 | 2SC2412K | Transistor |
| Q1005 | 2SA1037K | Transistor |
| Q1006 | 2SA1037K | Transistor |
| Q1007 | 2SC2412K | Transistor |
| Q1009 | 2SC2412K | Transistor |
| l | | |
| | ICs | |
| IC1001 | SN74HC4066NS AK5482 | IC IC |
| IC1002 IC1003 | AK5482 | ic |
| IC1003 | SN74HC246NS2 | ic |
| IC1005 | TC7S08FU | ic |
| IC1006 | TC7S04FU | ic |
| IC1102 | MBM29F040C90 | IC . |
| IC1103 | S-29220AFJ | EEPROMn(2k) |
| IC1104 | M51953BFP | Reset IC |
| IC1105 | CY7C199-15VC | SRAM |
| IC1106 | CY7C199-15VC | SRAM |
| IC1107 IC1108 | SN74HC08NS20 SN74HC245NS2 | IC IC |
| IC1108 | HD6432655A00 | ic ic |
| IC1110 | TC74AC138F | IC (AC138) |
| IC1111 | TC74AC138F | IC (AC138) |
| IC1112 | TC74AC273F | TTL74ALS |
| IC1113 | SN74HC245NS2 | IC . |

| Ref No. | Part No. | Description |
|---------|---------------|----------------|
| IC1114 | TC74AC138F | IC (AC138) |
| IC1115 | SN74LV32ANS2 | IC . |
| IC1117 | TC7W00FU | IC . |
| IC1118 | TC7W34FU | IC . |
| IC1201 | SLAA16AF0Y | IC . |
| IC1202 | CY7C199-15VC | SRAM |
| IC1203 | CY7C199-15VC | SRAM |
| IC1204 | CY7C199-15VC | SRAM |
| IC1205 | CY7C199-15VC | SRAM |
| IC1206 | CY7C199-15VC | SRAM |
| IC1207 | CY7C199-15VC | SRAM |
| IC1208 | SLAA16AF1E | IC . |
| IC1209 | CY7C199-15VC | SRAM |
| IC1210 | CY7C199-15VC | SRAM |
| IC1211 | CY7C199-15VC | SRAM |
| IC1212 | CY7C199-15VC | SRAM |
| IC1213 | CY7C199-15VC | SRAM |
| IC1214 | CY7C199-15VC | SRAM |
| IC1215 | SN74LV32ANS2 | IC |
| | OTHERS | |
| 1 | PBAPX0257255B | MAIN Board |
| CN1001 | 175487-9 | Connector 9P |
| CN1002 | 1-175487-1 | Connector 11P |
| CN1003 | 175487-8 | Connector 8P |
| CN1004 | PB175487-10 | Connector 10P |
| CN1005 | 176381-6 | Connector 140P |
| X1101 | 1AS200006AZ | Oscillator |
| X1201 | SG8002JA60MH | Oscillator |
| | 3-822273-1 | IC Socket |

SCSI Board

| Ref No. | Part No. | | De | escrip | tion |
|---------|--------------|-------|------------|--------|-------|
| | RESISTORS | | | | |
| R600 | ERJ3GEYJ220 | С | 22, | J, | 1/16W |
| R601 | ERJ3GEYJ220 | С | 22, | J, | 1/16W |
| R602 | ERJ3GEYJ560 | С | 56, | J, | 1/16W |
| R604 | ERJ3GEYJ560 | C | 56, | J, | 1/16W |
| R605 | ERJ3GEYJ220 | С | 22, | J, | 1/16W |
| R606 | ERJ3GEYJ472 | С | 4.7k, | J, | 1/16W |
| R607 | ERJ3GEYJ220 | С | 22, | J, | 1/16W |
| R608 | ERJ3GEYJ220 | С | 22, | J, | 1/16W |
| R609 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W |
| R610 | ERJ3GEYJ220 | С | 22, | J, | 1/16W |
| R611 | ERJ3GEYJ220 | С | 22, | J, | 1/16W |
| R612 | ERJ3GEYJ472 | С | 4.7k, | J, | 1/16W |
| R613 | ERJ3GEYJ220 | С | 22, | J, | 1/16W |
| R614 | ERJ3GEYJ220 | С | 22, | J, | 1/16W |
| R615 | ERJ3GEYJ220 | С | 22, | J, | 1/16W |
| R616 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W |
| R618 | ERJ3GEYJ472 | С | 4.7k, | J, | 1/16W |
| R619 | ERJ3GEYJ220 | С | 22, | J, | 1/16W |
| R621 | ERJ3GEYJ472 | С | 4.7k, | J, | 1/16W |
| R622 | ERJ3GEYJ560 | С | 56, | J, | 1/16W |
| R624 | ERJ3GEYJ472 | С | 4.7k, | J, | 1/16W |
| R625 | SMD125-2 | Poly | Switch | | |
| R626 | ERJ3GEYJ472 | С | 4.7k, | J, | 1/16W |
| R627 | ERJ3GEYJ228 | С | 22k, | J, | 1/16W |
| J701 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W |
| L600 | ERJ3GEY0R00 | 0-ohr | n Jumper | | |
| L601 | ERJ3GEY0R00 | 0-ohr | n Jumper | | |
| Z600 | MNR14E0AJ220 | Resis | stor Array | | |
| Z601 | MNR14E0AJ220 | Resis | stor Array | | |
| Z602 | MNR14E0AJ220 | | stor Array | | |
| Z603 | MNR14E0AJ220 | Resis | stor Array | | |
| Z604 | MNR14E0AJ220 | 1 | stor Array | | |
| Z605 | MNR14E0AJ220 | Resi | stor Array | | |
| Z606 | MNR14E0AJ220 | 1 | stor Array | | |
| Z607 | MNR14E0AJ220 | 1 | stor Array | | |
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| Ref No. | Part No. | Description |
|--------------|------------------------------|----------------------------------|
| Z608 | MNR14E0AJ220 | Resistor Array |
| Z609 | MNR14E0AJ220 | Resistor Array |
| Z610 | MNR14E0AJ220 | Resistor Array |
| Z611 Z612 | MNR14E0AJ220 MNR14E0AJ101 | Resistor Array Resistor Array |
| Z612 Z613 | MNR14E0AJ101 | Resistor Array |
| Z614 | MNR14E0AJ220 | Resistor Array |
| Z6 15 | MNR14E0AJ220 | Resistor Array |
| 2616 | MNR14E0AJ220 | Resistor Array |
| Z617 | MNR14E0AJ220 | Resistor Array |
| Z618 Z619 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z620 | MNR14E0AJ220 | Resistor Array |
| Z621 | MNR14E0AJ220 | Resistor Array |
| Z622 | MNR14E0AJ220 | Resistor Array |
| Z623 | MNR14E0AJ472 | Resistor Array |
| Z624 Z625 | MNR14E0AJ472 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z626 | MNR14E0AJ220 | Resistor Array |
| Z627 | MNR14E0AJ220 | Resistor Array |
| Z628 | MNR14E0AJ220 | Resistor Array |
| Z629 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array |
| Z630 Z631 | MNR14E0AJ220 | Resistor Array Resistor Array |
| Z632 | MNR14E0AJ220 | Resistor Array |
| Z633 | MNR14E0AJ220 | Resistor Array |
| Z634 | MNR14E0AJ220 | Resistor Array |
| Z635 Z636 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array |
| Z637 | MNR14E0AJ220 | Resistor Array Resistor Array |
| Z638 | MNR14E0AJ472 | Resistor Array |
| Z639 | MNR14E0AJ472 | Resistor Array |
| Z640 | MNR14E0AJ472 | Resistor Array |
| Z641 Z642 | MNR14E0AJ472 MNR14E0AJ472 | Resistor Array Resistor Array |
| Z643 | MNR14E0AJ103 | Resistor Array |
| Z644 | MNR14E0AJ103 | Resistor Array |
| Z645 | MNR14E0AJ103 | Resistor Array |
| Z646 | MNR14E0AJ103 | Resistor Array |
| Z647 Z648 | MNR14E0AJ103 MNR14E0AJ103 | Resistor Array Resistor Array |
| Z649 | MNR14E0AJ103 | Resistor Array |
| Z650 | MNR14E0AJ103 | Resistor Array |
| Z651 | MNR14E0AJ103 | Resistor Array |
| Z652 Z653 | MNR14E0AJ103 MNR14E0AJ103 | Resistor Array Resistor Array |
| Z654 | MNR14E0AJ103 | Resistor Array |
| Z655 | MNR14E0AJ103 | Resistor Array |
| Z656 | MNR14E0AJ103 | Resistor Array |
| Z657 | MNR14E0AJ103 | Resistor Array |
| Z658 Z659 | MNR14E0AJ103 MNR14E0AJ472 | Resistor Array Resistor Array |
| Z660 | MNR14E0AJ472 | Resistor Array |
| Z661 | MNR14E0AJ220 | Resistor Array |
| 2662 | MNR14E0AJ220 | Resistor Array |
| Z663 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z664 Z665 | MNR14E0AJ220 | Resistor Array |
| Z666 | MNR14E0AJ220 | Resistor Array |
| Z667 | MNR14E0AJ220 | Resistor Array |
| Z668 | MNR14E0AJ220 | Resistor Array |
| Z669 Z670 | MNR14E0AJ220 MNR14E0AJ220 | Resistor Array Resistor Array |
| Z670 Z671 | MNR14E0AJ220 | Resistor Array |
| Z672 | MNR14E0AJ220 | Resistor Array |
| Z673 | MNR14E0AJ220 | Resistor Array |
| Z674 | MNR14E0AJ220 | Resistor Array |
| | CAPACITORS | |
| C600 | ECUX1C104ZFV | C 0.1, Z, 16V |
| C601 | ECUX1C102KBV | C 1000P, K, 16V |
| C602 | ECUX1C104ZFV | C 0.1, Z, 16V |

SCSI Board (continued)

| C603 C604 C604 CC04 CC0604 CCUX1C104ZFV C C605 CCUX1C104ZFV C C606 CCUX1C104ZFV C C607 CC0607 CC07 CC07 CC07 CC07 CC07 | |
|--|--|
| C605 C606 CCUX1C102KBV C607 C607 CCUX1C102KBV C608 CCUX1C102KBV C608 CCUX1C102KBV C609 CCUX1C102KBV C609 CCUX1C102KBV C610 C610 CCUX1C104ZFV C C611 CCUX1C104ZFV C C611 CCUX1C104ZFV C C612 CCUX1C104ZFV C C613 CCUX1C104ZFV C C614 CC12 CC12 CC13 CC14 CC15 CC16 CC17 CC16 CC17 CC17 CC17 CC17 CC17 | |
| C606 | |
| C607 ECUX1C102KBV C 1000P, K, 16V C608 ECUX1C104ZFV C 0.1, Z, 16V C609 ECUX1C102KBV C 1000P, K, 16V C610 ECUX1C102KBV C 0.1, Z, 16V C611 ECUX1C102KBV C 0.00P, K, 16V C613 ECUX1C102KBV C 0.01, Z, 16V C614 ECUX1C102KBV C 1000P, K, 16V C616 ECUX1C102KBV C 1000P, K, 16V C616 ECUX1C102KBV C 0.1, Z, 16V C617 EGUX1C102KBV C 1000P, K, 16V C618 ECUX1C102KBV C 1000P, K, 16V C620 ECUX1C102KBV C 1000P, K, 16V C622 ECUX1C102KBV C 0.1, Z, 16V C623 | |
| C608 ECUX1C104ZFV C C 0.1, Z, 16V C609 ECUX1C102KBV C C 1000P, K, 16V C610 ECUX1C102KBV C C 0.1, Z, 16V C611 ECUX1C102KBV C C 0.1, Z, 16V C612 ECUX1C104ZFV C C 0.1, Z, 16V C613 ECUX1C104ZFV C C 0.1, Z, 16V C614 ECUX1C102KBV C C 1000P, K, 16V C616 ECUX1C104ZFV C C 0.1, Z, 16V C617 ECUX1C104ZFV C C 0.1, Z, 16V C618 ECUX1C104ZFV C C 0.1, Z, 16V C619 ECUX1C104ZFV C C 0.1, Z, 16V C620 ECUX1C102KBV C C 1000P, K, 16V C621 ECUX1C104ZFV C C 0.1, Z, 16V C622 ECUX1C104ZFV C C 0.1, Z, 16V C623 ECUX1C104ZFV C C 0.1, Z, 16V C624 ECUX1C104ZFV C C 0.1, Z, 16V C626 ECUX1C104ZFV C C 0.1, Z, | |
| C609 | |
| C610 ECUX1C104ZFV C 0.1, Z, 16V C611 ECUX1C102KBV C 1000P, K, 16V C612 ECUX1C104ZFV C 0.1, Z, 16V C613 ECUX1C102KBV C 1000P, K, 16V C614 ECUX1C104ZFV C 0.1, Z, 16V C615 ECUX1C102KBV C 1000P, K, 16V C616 ECUX1C102KBV C 1000P, K, 16V C617 ECUX1C104ZFV C 0.1, Z, 16V C618 ECUX1C102KBV C 1000P, K, 16V C619 ECUX1C102KBV C 1000P, K, 16V C620 ECUX1C102KBV C 1000P, K, 16V C621 ECUX1C102KBV C 1000P, K, 16V C622 ECUX1C104ZFV C 0.1, Z, 16V C624 ECUX1C104ZFV C 0.1, Z, 16V C625 ECUX1C104ZFV C 0.1, Z, 16V C626 ECUX1C104ZFV C 0.1, Z, 16V C627 ECUX1C104ZFV C 0.1, Z, 16V < | |
| C611 ECUX1C102KBV C 1000P, K, 16V C612 ECUX1C104ZFV C 0.1, Z, 16V C613 ECUX1C104ZFV C 0.1, Z, 16V C614 ECUX1C102KBV C 1000P, K, 16V C616 ECUX1C104ZFV C 0.1, Z, 16V C617 ECUX1C104ZFV C 0.1, Z, 16V C618 ECUX1C102KBV C 1000P, K, 16V C619 ECUX1C104ZFV C 0.1, Z, 16V C620 ECUX1C104ZFV C 0.1, Z, 16V C621 ECUX1C104ZFV C 0.1, Z, 16V C622 ECUX1C104ZFV C 0.1, Z, 16V C623 ECUX1C104ZFV C 0.1, Z, 16V C626 ECUX1C104ZFV C 0.1, Z, 16V C627 ECUX1C | |
| C613 ECUX1C102KBV ECUX1C104ZFV C 1000P, K, 16V C614 ECUX1C104ZFV C 0.1, Z, 16V C615 ECUX1C102KBV C 1000P, K, 16V C616 ECUX1C102KBV C 0.1, Z, 16V C617 ECUX1C102KBV C 1000P, K, 16V C618 ECUX1C104ZFV C 0.1, Z, 16V C619 ECUX1C102KBV C 1000P, K, 16V C620 ECUX1C102KBV C 1000P, K, 16V C621 ECUX1C104ZFV C 0.1, Z, 16V C622 ECUX1C104ZFV C 0.1, Z, 16V C623 ECUX1C102KBV C 1000P, K, 16V C624 ECUX1C102KBV C 1000P, K, 16V C625 ECUX1C102KBV C 1000P, K, 16V C628 ECUX1C102KBV C 1000P, K, 16V C629 ECUX1C102KBV C 1000P, K, 16V C631 ECUX1C102KBV C 1000P, K, 16V C632 ECUX1C102KBV C 100P, J, 50V< | |
| C614 ECUX1C104ZFV C 0.1, Z, 16V C615 ECUX1C102KBV C 1000P, K, 16V C616 ECUX1C104ZFV C 0.1, Z, 16V C617 ECUX1C104ZFV C 0.1, Z, 16V C618 ECUX1C104ZFV C 0.1, Z, 16V C619 ECUX1C102KBV C 1000P, K, 16V C620 ECUX1C102KBV C 1000P, K, 16V C621 ECUX1C104ZFV C 0.1, Z, 16V C622 ECUX1C104ZFV C 0.1, Z, 16V C623 ECUX1C102KBV C 1000P, K, 16V C624 ECUX1C104ZFV C 0.1, Z, 16V C626 ECUX1C102KBV C 1000P, K, 16V C627 ECUX1C102KBV C 1000P, K, 16V C628 ECUX1C102KBV C 1000P, K, 16V C630 ECEV1AA101SP C 100P, K, 16V C631 ECUX1C102KBV C 100P, K, 16V C632 ECUX1C104ZFV C 0.1, Z, 16V < | |
| C616 ECUX1C102KBV C 1000P, K, 16V C616 ECUX1C104ZFV C 0.1, Z, 16V C617 ECUX1C102KBV C 1000P, K, 16V C618 ECUX1C102KBV C 0.1, Z, 16V C619 ECUX1C102KBV C 1000P, K, 16V C620 ECUX1C104ZFV C 0.1, Z, 16V C621 ECUX1C104ZFV C 0.1, Z, 16V C622 ECUX1C104ZFV C 0.1, Z, 16V C623 ECUX1C104ZFV C 0.1, Z, 16V C624 ECUX1C104ZFV C 0.1, Z, 16V C626 ECUX1C104ZFV C 0.1, Z, 16V C627 ECUX1C104ZFV C 0.1, Z, 16V C638 ECUX1C104ZFV C 0.1, Z, 16V C631 ECUX1C | |
| C616 ECUX1C104ZFV C 0.1, Z, 16V C617 ECUX1C102KBV C 1000P, K, 16V C618 ECUX1C104ZFV C 0.1, Z, 16V C619 ECUX1C104ZFV C 0.1, Z, 16V C620 ECUX1C104ZFV C 0.1, Z, 16V C621 ECUX1C102KBV C 1000P, K, 16V C622 ECUX1C102KBV C 1000P, K, 16V C623 ECUX1C104ZFV C 0.1, Z, 16V C624 ECUX1C104ZFV C 0.1, Z, 16V C626 ECUX1C102KBV C 1000P, K, 16V C627 ECUX1C102KBV C 1000P, K, 16V C628 ECUX1C102KBV C 1000P, K, 16V C630 ECEV1AA101SP C 100P, K, 16V C631 ECUX1C102KBV C 100P, K, 16V C632 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1C104ZFV C 0.1, Z, 16V <tr< td=""><td></td></tr<> | |
| C617 ECUX1C102KBV C 1000P, K, 16V C618 ECUX1C104ZFV C 0.1, Z, 16V C619 ECUX1C104ZFV C 1000P, K, 16V C620 ECUX1C104ZFV C 0.1, Z, 16V C621 ECUX1C102KBV C 1000P, K, 16V C622 ECUX1C104ZFV C 0.1, Z, 16V C623 ECUX1C104ZFV C 0.1, Z, 16V C624 ECUX1C104ZFV C 0.1, Z, 16V C626 ECUX1C104ZFV C 0.1, Z, 16V C627 ECUX1C104ZFV C 0.1, Z, 16V C628 ECUX1C102KBV C 1000P, K, 16V C630 ECEV1AA101SP C 100, 10V C631 ECUX1C102KBV C 100P, K, 16V C632 ECUX1C104ZFV | |
| C618 ECUX1C104ZFV C 0.1, Z, 16V C619 ECUX1C102KBV C 1000P, K, 16V C620 ECUX1C104ZFV C 0.1, Z, 16V C621 ECUX1C102KBV C 1000P, K, 16V C622 ECUX1C104ZFV C 0.1, Z, 16V C623 ECUX1C102KBV C 1000P, K, 16V C624 ECUX1C104ZFV C 0.1, Z, 16V C626 ECUX1C102KBV C 1000P, K, 16V C627 ECUX1C102KBV C 1000P, K, 16V C628 ECUX1C102KBV C 1000P, K, 16V C630 ECEV1AA101SP C 100P, K, 16V C631 ECUX1C102KBV C 100P, K, 16V C632 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1C104ZFV C 0.1, Z, 16V C636 ECUX1C104ZFV C 0.1, Z, 16V C636 ECUX1C104ZFV C 0.1, Z, 16V <tr< td=""><td></td></tr<> | |
| C619 ECUX1C102KBV C 1000P, K, 16V C620 ECUX1C104ZFV C 0.1, Z, 16V C621 ECUX1C104ZFV C 0.1, Z, 16V C622 ECUX1C104ZFV C 0.1, Z, 16V C623 ECUX1C104ZFV C 0.1, Z, 18V C624 ECUX1C104ZFV C 0.1, Z, 16V C626 ECUX1C102KBV C 1000P, K, 16V C626 ECUX1C102KBV C 1000P, K, 16V C627 ECUX1C102KBV C 1000P, K, 16V C628 ECUX1C102KBV C 1000P, K, 16V C630 ECEV1AA101SP C 100, 10V C631 ECUX1C104ZFV C 0.1, Z, 16V C632 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1C104ZFV | |
| C621 ECUX1C102KBV C 1000P, K, 16V C622 ECUX1C104ZFV C 0.1, Z, 16V C623 ECUX1C102KBV C 1000P, K, 16V C624 ECUX1C102KBV C 0.1, Z, 16V C626 ECUX1C102KBV C 1000P, K, 16V C626 ECUX1C102KBV C 1000P, K, 16V C627 ECUX1C102KBV C 1000P, K, 16V C628 ECUX1C102KBV C 1000P, K, 16V C630 ECEV1AA101SP C 100, 10V C631 ECUX1C102KBV C 1000P, K, 16V C632 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1C102KBV C 1000P, K, 18V C634 ECUX1C104ZFV C 0.1, Z, 16V C639 ECUX1C104ZFV <td></td> | |
| C622 ECUX1C104ZFV C 0.1, Z, 16V C623 ECUX1C102KBV C 1000P, K, 16V C624 ECUX1C104ZFV C 0.1, Z, 16V C626 ECUX1C102KBV C 1000P, K, 16V C626 ECUX1C104ZFV C 0.1, Z, 16V C627 ECUX1C102KBV C 1000P, K, 16V C628 ECUX1C102KBV C 1000P, K, 16V C630 ECEV1AA101SP C 100, 10V C631 ECUX1C102KBV C 1000P, K, 16V C632 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1H101JCV C 100P, J, 50V C634 ECUX1C102KBV C 1000P, K, 16V C635 ECUX1C104ZFV C 0.1, Z, 16V C636 ECUX1C104ZFV C 0.1, Z, 16V C639 ECUX1C104ZFV C 0.1, Z, 16V C640 ECUX1C104ZFV C 0.1, Z, 16V C641 ECUX1C104ZFV C 0.1, Z, 16V | |
| C623 ECUX1C102KBV C 1000P, K, 16V C624 ECUX1C104ZFV C 0.1, Z, 16V C626 ECUX1C102KBV C 1000P, K, 16V C626 ECUX1C104ZFV C 0.1, Z, 16V C627 ECUX1C102KBV C 1000P, K, 16V C628 ECUX1C102KBV C 1000P, K, 16V C629 ECUX1C102KBV C 1000P, K, 16V C630 ECEV1AA101SP C 100, 10V C631 ECUX1C104ZFV C 0.1, Z, 16V C632 ECUX1C104ZFV C 100P, J, 50V C633 ECUX1C102KBV C 100P, J, 50V C634 ECUX1C104ZFV C 0.1, Z, 16V C635 ECUX1C104ZFV C 0.1, Z, 16V C637 ECUX1C104ZFV | |
| C624 ECUX1C104ZFV C 0.1, Z, 18V C626 ECUX1C102KBV C 1000P, K, 16V C626 ECUX1C104ZFV C 0.1, Z, 16V C627 ECUX1C102KBV C 1000P, K, 16V C628 ECUX1C104ZFV C 0.1, Z, 16V C629 ECUX1C102KBV C 1000P, K, 16V C630 ECEV1AA101SP C 100, 10V C631 ECUX1C102KBV C 1000P, K, 16V C632 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1C102KBV C 100P, J, 50V C634 ECUX1C102KBV C 100P, K, 16V C635 ECUX1C104ZFV C 0.1, Z, 16V C637 ECUX1C104ZFV C 0.1, Z, 16V C638 ECUX1C104ZFV C 0.1, Z, 16V C639 ECUX1C104ZFV C 0.1, Z, 16V C640 ECUX1C104ZFV C 0.1, Z, 16V C641 ECUX1C104ZFV C 0.1, Z, 16V | |
| C626 ECUX1C102KBV C 1000P, K, 18V C626 ECUX1C104ZFV C 0.1, Z, 16V C627 ECUX1C102KBV C 1000P, K, 16V C628 ECUX1C102KBV C 0.1, Z, 16V C630 ECEV1AA101SP C 1000P, K, 16V C631 ECUX1C102KBV C 1000P, K, 16V C632 ECUX1C102KBV C 100P, K, 16V C633 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1C104ZFV C 0.1, Z, 16V C634 ECUX1C104ZFV C 0.1, Z, 16V C635 ECUX1C104ZFV C 0.1, Z, 16V C637 ECUX1C104ZFV C 0.1, Z, 16V C639 ECUX1C104ZFV C 0.1, Z, 16V C640 ECU | |
| C626 ECUX1C104ZFV C 0.1, Z, 16V C627 ECUX1C102KBV C 1000P, K, 16V C628 ECUX1C104ZFV C 0.1, Z, 16V C629 ECUX1C102KBV C 1000P, K, 16V C630 ECEV1AA101SP C 1000P, K, 16V C631 ECUX1C102KBV C 1000P, K, 16V C632 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1H101JCV C 100P, J, 50V C634 ECUX1C102KBV C 1000P, K, 16V C635 ECUX1C104ZFV C 0.1, Z, 16V C636 ECUX1C104ZFV C 0.1, Z, 16V C637 ECUX1C104ZFV C 0.1, Z, 16V C638 ECUX1C104ZFV C 0.1, Z, 16V C640 ECUX1C104ZFV C 0.1, Z, 16V C641 ECUX1C102KBV C 1000P, K, 16V C642 ECUX1C102KBV C 1000P, K, 16V C643 ECUX1C104ZFV C 0.1, Z, 16V <t< td=""><td></td></t<> | |
| C627 ECUX1C102KBV C 1000P, K, 16V C628 ECUX1C104ZFV C 0.1, Z, 16V C629 ECUX1C102KBV C 1000P, K, 16V C630 ECEV1AA101SP C 1000P, K, 16V C631 ECUX1C104ZFV C 0.1, Z, 16V C632 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1C102KBV C 1000P, K, 16V C634 ECUX1C104ZFV C 0.1, Z, 16V C635 ECUX1C104ZFV C 0.1, Z, 16V C636 ECUX1C104ZFV C 0.1, Z, 16V C638 ECUX1C104ZFV C 0.1, Z, 16V C640 ECUX1C104ZFV C 0.1, Z, 16V C641 ECUX1C102KBV C 1000P, K, 16V C642 EC | |
| C628 ECUX1C104ZFV C 0.1, Z, 16V C629 ECUX1C102KBV C 1000P, K, 16V C630 ECEV1AA101SP C 100, 10V C631 ECUX1C102KBV C 1000P, K, 16V C632 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1H101JCV C 1000P, J, 50V C634 ECUX1C102KBV C 1000P, K, 16V C635 ECUX1C104ZFV C 0.1, Z, 16V C637 ECUX1C104ZFV C 0.1, Z, 16V C638 ECUX1C104ZFV C 0.1, Z, 16V C639 ECUX1C104ZFV C 0.1, Z, 16V C640 ECUX1C104ZFV C 0.1, Z, 16V C641 ECUX1C104ZFV C 0.1, Z, 16V C642 ECUX1C102KBV C 1000P, K, 16V C643 ECUX1C104ZFV C 0.1, Z, 16V C644 ECUX1C104ZFV C 0.1, Z, 16V C644 ECUX1C104ZFV C 0.1, Z, 16V | |
| C628 ECUX1C102KBV C 1000P, K, 16V C630 ECEV1AA101SP C 100, 10V C631 ECUX1C102KBV C 1000P, K, 16V C632 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1C102KBV C 1000P, J, 50V C694 ECUX1C102KBV C 1000P, K, 18V C635 ECUX1C104ZFV C 0.1, Z, 16V C637 ECUX1C104ZFV C 0.1, Z, 16V C638 ECUX1C104ZFV C 0.1, Z, 16V C639 ECUX1C104ZFV C 0.1, Z, 16V C640 ECUX1C104ZFV C 0.1, Z, 16V C642 ECUX1C104ZFV C 0.1, Z, 16V C643 ECUX1C104ZFV C 0.1, Z, 16V C644 ECUX1C104ZFV | |
| C631 ECUX1C102KBV C 1000P, K, 16V C632 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1H101JCV C 100P, J, 50V C634 ECUX1C102KBV C 100P, K, 16V C635 ECUX1C104ZFV C 0.1, Z, 16V C636 ECUX1C102KBV C 1000P, K, 16V C637 ECUX1C104ZFV C 0.1, Z, 16V C638 ECUX1C104ZFV C 0.1, Z, 16V C639 ECUX1C104ZFV C 0.1, Z, 16V C640 ECUX1C104ZFV C 0.1, Z, 16V C642 ECUX1C104ZFV C 0.1, Z, 16V C643 ECUX1C104ZFV C 0.1, Z, 16V C644 ECUX1C104ZFV C 0.1, Z, 16V C646 ECUX1C | |
| C632 ECUX1C104ZFV C 0.1, Z, 16V C633 ECUX1H101JCV C 100P, J, 50V C634 ECUX1C102KBV C 1000P, K, 16V C635 ECUX1C104ZFV C 0.1, Z, 16V C636 ECUX1C104ZFV C 0.1, Z, 16V C637 ECUX1C102KBV C 1000P, K, 16V C638 ECUX1C104ZFV C 0.1, Z, 16V C639 ECUX1C102KBV C 1000P, K, 18V C640 ECUX1C104ZFV C 0.1, Z, 16V C641 ECUX1C104ZFV C 0.1, Z, 16V C642 ECUX1C104ZFV C 0.1, Z, 16V C643 ECUX1C104ZFV C 0.1, Z, 16V C644 ECUX1C104ZFV C 0.1, Z, 16V C646 ECUX1C104ZFV C 0.1, Z, 16V C646 ECUX1C104ZFV C 0.1, Z, 16V | |
| C633 ECUX1H101JCV C 100P, J, 50V C634 ECUX1C102KBV C 1000P, K, 16V C635 ECUX1C104ZFV C 0.1, Z, 16V C636 ECUX1C104ZFV C 0.1, Z, 16V C637 ECUX1C102KBV C 1000P, K, 16V C638 ECUX1C104ZFV C 0.1, Z, 16V C639 ECUX1C104ZFV C 0.1, Z, 16V C640 ECUX1C104ZFV C 0.1, Z, 16V C641 ECUX1C102KBV C 1000P, K, 16V C642 ECUX1C104ZFV C 0.1, Z, 16V C643 ECUX1C104ZFV C 0.1, Z, 16V C644 ECUX1C104ZFV C 0.1, Z, 16V C646 ECUX1C104ZFV C 0.1, Z, 16V C646 ECUX1C104ZFV C 0.1, Z, 16V | |
| C634 ECUX1C102KBV C 1000P, K, 16V C635 ECUX1C104ZFV C 0.1, Z, 16V C636 ECUX1C104ZFV C 0.1, Z, 16V C637 ECUX1C102KBV C 1000P, K, 16V C638 ECUX1C102KBV C 1000P, K, 16V C640 ECUX1C104ZFV C 0.1, Z, 16V C641 ECUX1C102KBV C 1000P, K, 16V C642 ECUX1C104ZFV C 0.1, Z, 16V C643 ECUX1C104ZFV C 1000P, K, 16V C644 ECUX1C104ZFV C 0.1, Z, 16V C646 ECUX1C104ZFV C 0.1, Z, 16V | |
| C635 ECUX1C104ZFV C 0.1, Z, 16V C636 ECUX1C104ZFV C 0.1, Z, 16V C637 ECUX1C102KBV C 1000P, K, 16V C638 ECUX1C104ZFV C 0.1, Z, 16V C639 ECUX1C102KBV C 1000P, K, 18V C640 ECUX1C104ZFV C 0.1, Z, 16V C641 ECUX1C102KBV C 1000P, K, 16V C642 ECUX1C104ZFV C 0.1, Z, 16V C643 ECUX1C104ZFV C 1000P, K, 16V C644 ECUX1C104ZFV C 0.1, Z, 16V C646 ECUX1C104ZFV C 0.1, Z, 16V C646 ECUX1C104ZFV C 0.1, Z, 16V | |
| C636 ECUX1C104ZFV C 0.1, Z, 16V C637 ECUX1C102KBV C 1000P, K, 16V C638 ECUX1C104ZFV C 0.1, Z, 16V C639 ECUX1C102KBV C 1000P, K, 16V C640 ECUX1C104ZFV C 0.1, Z, 16V C641 ECUX1C102KBV C 1000P, K, 16V C642 ECUX1C104ZFV C 0.1, Z, 16V C643 ECUX1C102KBV C 1000P, K, 16V C644 ECUX1C104ZFV C 0.1, Z, 16V C646 ECUX1C104ZFV C 0.1, Z, 16V C646 ECUX1C104ZFV C 0.1, Z, 16V | |
| C637 ECUX1C102KBV C 1000P, K, 16V C638 ECUX1C104ZFV C 0.1, Z, 16V C639 ECUX1C102KBV C 1000P, K, 16V C640 ECUX1C104ZFV C 0.1, Z, 16V C641 ECUX1C102KBV C 1000P, K, 16V C642 ECUX1C104ZFV C 0.1, Z, 16V C643 ECUX1C102KBV C 1000P, K, 16V C644 ECUX1C104ZFV C 0.1, Z, 16V C646 ECUX1C104ZFV C 0.1, Z, 16V | |
| C639 ECUX1C102KBV C 1000P, K, 18V C640 ECUX1C104ZFV C 0.1, Z, 16V C641 ECUX1C102KBV C 1000P, K, 18V C642 ECUX1C104ZFV C 0.1, Z, 16V C643 ECUX1C102KBV C 1000P, K, 18V C644 ECUX1C104ZFV C 0.1, Z, 16V C646 ECUX1C102KBV C 1000P, K, 16V | |
| C640 ECUX1C104ZFV C 0.1, Z, 16V C641 ECUX1C102KBV C 1000P, K, 16V C642 ECUX1C104ZFV C 0.1, Z, 16V C643 ECUX1C102KBV C 1000P, K, 16V C644 ECUX1C104ZFV C 0.1, Z, 16V C646 ECUX1C102KBV C 1000P, K, 16V | |
| C641 ECUX1C102KBV C 1000P, K, 16V C642 ECUX1C104ZFV C 0.1, Z, 16V C643 ECUX1C102KBV C 1000P, K, 18V C644 ECUX1C104ZFV C 0.1, Z, 16V C645 ECUX1C102KBV C 1000P, K, 16V | |
| C642 ECUX1C104ZFV C 0.1, Z, 16V C643 ECUX1C102KBV C 1000P, K, 18V C644 ECUX1C104ZFV C 0.1, Z, 16V C645 ECUX1C102KBV C 1000P, K, 16V | |
| C643 | |
| C644 | |
| C646 ECUX1C102KBV C 1000P, K, 16V | |
| | |
| C646 ECUX1C104ZFV C 0.1, Z, 16V | |
| C647 ECUX1C102KBV C 1000P, K, 16V | |
| C648 ECUX1C104ZFV C 0.1, Z, 16V | |
| C849 ECUX1C102KBV C 1000P, K, 16V | |
| C650 ECUX1C104ZFV C 0.1, Z, 16V | |
| C651 | |
| C653 EGUX1C102KBV C 1000P, K, 16V | |
| C654 ECUX1H101JCV C 100P, J, 50V | |
| C655 ECUX1C104ZFV C 0.1, Z, 16V | |
| C656 ECUX1C102KBV C 1000P, K, 16V | |
| C657 ECUX1C104ZFV C 0.1, Z, 16V | |
| C858 ECUX1C102KBV C 1000P, K, 16V | |
| C659 ECUX1C104ZFV C 0.1, Z, 16V | |
| C660 | |
| C662 ECUX1C104ZFV C 0.1, Z, 16V | |
| C663 ECUX1C102KBV C 1000P, K, 16V | |
| C664 ECEV1AA101SP C 100, 10V | |
| C665 ECEV1AA101SP C 100, 10V | |
| C666 ECUX1C104ZFV C 0.1, Z, 16V | |
| C667 ECUX1C104ZFV C 0.1, Z, 16V | |
| C668 ECUX1C102KBV C 1000P, K, 16V | |
| C669 ECUX1H101JCV C 100P, J, 50V C670 ECUX1C104ZFV C 0.1, Z, 16V | |
| C671 ECUX1C104ZFV C 0.1, 2, 16V | |
| C672 ECUX1C104ZFV C 0.1, Z, 16V | |
| C673 ECUX1C102KBV C 1000P, K, 16V | |
| C674 ECEV1AA101SP C 100, 10V | |
| | |

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|----------------|------------------------------|-------------|----------------|----------|------------|
| Ref No. | Part No. | | De | escrip | tion |
| C675 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C676 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C677 | ECEV1CA100 | C | 10, | | 16V |
| C678 C679 | ECUX1C104ZFV ECUX1C102KBV | C | 0.1, 1000P. | Ž, K, | 16V 16V |
| C680 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C681 | ECUX1C102KBV | č | 1000P, | K, | 16V |
| C682 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C683 | ECUX1C102KBV | С | 1000P, | ĸ, | 16V |
| C684 | ECUX1C104ZFV ECUX1C102KBV | C | 0.1, 1000P, | Z, | 16V 16V |
| C685 C686 | ECUX1C104ZFV | C | 0.1, | K, Z, | 16V |
| C687 | ECUX1C102KBV | Č | 1000P, | ĸ, | 16V |
| C688 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C689 | ECUX1C102KBV | С | 1000P, | K, | 16V |
| C690 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C691 C692 | ECUX1C102KBV ECUX1C104ZFV | C | 1000P, 0.1, | K, Z, | 16V 16V |
| C693 | ECUX1C102KBV | c | 1000P, | ĸ, | 16V |
| C694 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C695 | ECUX1C102KBV | С | 1000P, | K, | 16V |
| C696 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C697 C698 | ECUX1C102KBV | C | 1000₽, 0.1, | K, Z, | 16V 16V |
| C699 | ECUX1C104ZFV | C | 1000P. | Ζ, Κ, | 16V |
| C700 | ECUX1C104ZFV | c | 0.1, | Z, | 16V |
| C701 | ECU1H102KBV | С | 1000P, | K, | 50V |
| C702 | ECEV1AA101SP | С | 100, | 14 | 10V |
| C703 C704 | ECU1H102KBV | CC | 1000P, | K, Z, | 50V 16V |
| C705 | ECUX1C104ZFV ECU1H102KBV | C | 0.1, 1000P, | K, | 50V |
| C706 | ECEV1AA101SP | Č | 100, | , ,, | 10V |
| C707 | ECU1H102KBV | С | 1000P, | K, | 50V |
| C708 | ECEV1AA1018P | C | 100, | | 10V |
| C709 C710 | ECU1H102KBV ECUX1C104ZFV | C | 1000P, | K, | 50V 16V |
| C711 | ECU1H102KBV | C | 0.1, 1000P. | Z, K, | 50V |
| C712 | ECEV1AA101SP | C | 100, | . • • | 10V |
| C713 | ECU1H102KBV | C | 1000P, | K, | 50V |
| C714 | ECUX1C104ZFV | C | 0.1, | Z, | 16V |
| C716 C717 | ECEV1AA101SP ECUX1C104ZFV | C | 100, 0.1, | 7 | 10V 16V |
| C717 | ECU1H102KBV | č | 1000P. | Z, K, | 50V |
| C719 | ECEV1AA101SP | Č | 100, | 1 -1 | 10V |
| C720 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C721 | ECU1H102KBV | С | 1000P, | K, | 50V |
| C722 C723 | ECEV1AA1018P ECUX1C104ZFV | C | 100, 0.1, | Z, | 10V 16V |
| C724 | ECU1H102KBV | c | 1000P, | K, | 50V |
| C725 | ECEV1AA101SP | C | 100, | | 10V |
| C726 | ECUX1C104ZFV | С | 0.1, | Z, | 16V |
| C727 | ECU1H102KBV | C | 1000P, | К, | 50V |
| C748 C749 | ECUX1H470JCV ECUX1H470JCV | C | 47P, 47P, | J, J, | 50V 50V |
| C749 | ECUX1H470JCV | C | 47P. | J, | 50V |
| C751 | ECUX1H470JCV | C | 47P, | J, | 50V |
| , | DIODE | | • | | |
| D600 | RB050L40TE25 | Diode | | | |
| 0004 | TRANSISTORS | * | | | |
| Q601 Q602 | UN2212 UN2212 | Transis | | | |
| GOUZ | UNZZIZ | Hansis | 3(U) | | |
| | ICs | | | | |
| IC600 | MN5AA180Z9D | IC | | | |
| IC601 | SN74HC74NS20 | IC | | | |
| IC602 IC603 | PM-2MC25MHZ CY7C199-15VC | IC SRAM | | | |
| IC603 | CY7C199-15VC | SRAM | | | |
| IC605 | TC7S04F | IC | | | |
| IC606 | SYM53CF96-21 | iC | | | |
| L | | J | | | |

SCSI Board (continued)

| Ref No. | Part No. | Description |
|---------|-------------------------------------|---------------------------|
| IC607 | BH9598AFP | IC |
| IC610 | HM5117800BJ7 | DRAM |
| IC611 | HM5117800BJ7 | DRAM |
| IC612 | HM5117800BJ7 | DRAM |
| IC613 | HM5117800BJ7 | DRAM |
| IC614 | SN74HC245NS2 | IC |
| IC615 | TC7S08FU | IC |
| | OTHERS PBAPX258255A XSN25+4FX | SCSI Board |
| CN600 | PCSXE50W8LFD | SCSI Half-pitch Connector |
| CN601 | 176438-7 | Connector 7P |
| CN602 | 176438-7 | Connector 7P |
| CN603 | 176381-3 | Connector 80P |
| X600 | SG615PTJ-50M | Oscillator |
| X601 | SG615PTJ-40M | Oscillator |

DRIVE Board

| Ref No. | Part No. | | D | escript | ion | |
|---------|---------------|------|-------------|---------|--------|--|
| | RESISTORS | † | | | | |
| R331 | ERDS2TJ392 | С | 3.9k, | J, | 1/4W | |
| R332 | ERDS2TJ222 | С | 2.2k, | J, | 1/4W | |
| R333 | ERDS2TJ392 | С | 3.9k, | J, | 1/4W | |
| R334 | ERDS2TJ222 | C | 2.2k, | J, | 1/4W | |
| R335 | ERDS2TJ472 | С | 4.7k, | J, | 1/4W | |
| R336 | ERDS2TJ472 | C | 4.7k | J, | 1/4W | |
| R341 | ER0\$2TKF1101 | М | 1.10k | F, | 1/4W | |
| R342 | ERDS2TJ391 | C | 390, | J, | 1/4W | |
| R343 | ERDS2TJ181 | С | 180, | J, | 1/4W | |
| R344 | MPC710.22K | Resi | stor | · | | |
| R345 | MPC710.22K | Resi | istor | | | |
| R351 | ERDS2TJ102 | С | 1k, | J, | 1/4W | |
| R362 | ERDS2TJ471 | C | 470, | Ĵ, | 1/4W | |
| R353 | ERDS2TJ121 | C | 120, | J, | 1/4W | |
| R364 | MPC710,22K | Res | | - 1 | • • | |
| R355 | MPC710.22K | Res | | | | |
| R361 | ERDS2TJ122 | С | 1.2k, | J, | 1/4W | |
| R362 | ERDS2TJ681 | C | 680, | Ĵ, | 1/4W | |
| F363 | ERDS2TJ151 | C | 150, | Ĵ, | 1/4W | |
| R364 | MPC710.47K | Res | | -, | | |
| R365 | MPC710.47K | Res | stor | | | |
| R373 | ERDS2TJ102 | С | 1k, | J, | 1/4W | |
| FI374 | ERDS2TJ102 | С | 1k, | J, | 1/4W | |
| R377 | ERDS2TJ103 | C | 10k, | J, | 1/4W | |
| R378 | ERDS2TJ103 | C | 10k, | Ĵ, | 1/4W | |
| R381 | ER0S2TKF2942 | М | 29.4k, | F, | 1/4W | |
| R382 | ER0S2CKF1001 | М | 1k, | F, | 1/4W | |
| R383 | ERX1SJR22P | М | 22, | Ĵ, | 1/2W | |
| R384 | ERDS2TJ562 | C | 5.6k, | Ĵ, | 1/4W | |
| R385 | ERDS2TJ272 | C | 2.7k, | Ĵ, | 1/4W | |
| R386 | ERDS2TJ152 | C | 1,5, | Ĵ, | 1/4W | |
| R387 | ERDS2TJ102 | C | 1k, | Ĵ, | 1/4W | |
| R391 | ERDS2TJ102 | C | 1k, | Ĵ, | 1/4W | |
| R392 | ERDS2TJ222 | C | 2.2k, | Ĵ, | 1/4W | |
| R394 | ERD\$2TJ472 | Č | 4.7k, | Ĵ, | 1/4W | |
| R395 | ERDS2TJ472 | C | 4.7k. | Ĵ, | 1/4W | |
| R396 | ERDS2TJ472 | C | 4.7k, | Ĵ, | 1/4W | |
| R472 | ERDS2TJ561 | C | 560, | Ĵ, | 1/4W | |
| R473 | ERDS2TJ561 | C | 560, | J, | 1/4W | |
| R476 | ERG2SJ102P | M | 1k, | J. | 2W | |
| R477 | ERG2SJ102P | M | 1k, | J, | 2W | |
| R480 | ERDS2TJ181 | C | 180, | J, | 1/4W | |
| R481 | ERDS2TJ181 | C | 180, | J. | 1/4W | |
| R482 | ERDS2TJ472 | C | 4.7k, | J, | 1/4W | |
| R483 | ERDS2TJ472 | C | 4.7k, | J, | 1/4W | |
| R484 | ERDS2TJ472 | C | 4.7k, | J, | 1/4W | |
| Z391 | EXBZ9E103J | _ | istor Array | ٠, | ., .,. | |
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| | | | | | | |

| Ref No. | Part No. | Description |
|----------------|--------------------------|-------------------------------------|
| | CAPACITORS | |
| C331 | 35YXF220MT8 | C 220, 35V |
| C332 | ECFF1H104ZF5 | C 0.1, Z 50V E 33. 50V |
| C341 C342 | 50YXF33M ECFF1H104ZF5 | E 33, 50V C 0.1, Z 50V |
| C342 C343 | ECKF1H472KB5 | C 4700p, K, 50V |
| C344 | 35YXF220MT8 | C 220, 35V |
| C351 | 50YXF33M | E 33, 50V |
| C352 | ECFF1H104ZF5 | C 0.1, Z 50V |
| C353 | ECKF1H472KB5 | C 4700p, K, 50V |
| C354 | 35YXF220MT8 | C 220, 35V |
| C361 | 50YXF33M | E 33, 50V |
| C362 | ECFF1H104ZF5 | C 0.1, Z 50V |
| C363 | ECKF1H472KB5 | C 4700p, K, 50V |
| C364 | 35YXF220MT8 | C 220, 35V |
| C371 | ECFF1H104ZF5 | C 0.1, Z 50V |
| C372 | 35YXF220MT8 | C 220, 35V |
| C373 | ECFF1H104ZF5 | C 0.1, Z 50V |
| C374 | ECFF1H104ZF5 | C 0.1, Z 50V |
| C375 | ECFF1H104ZF5 | C 0.1, Z 50V |
| C376 | ECFF1H104ZF5 | C 0.1, Z 50V |
| C381 | ECKD3A331KBP | C 330p, K, 1kV C 220, 35V |
| C382 C383 | 35YXF220MT8 50YXF220M | C 220, 35V C 220, 50V |
| C383 | ECFF1H104ZF5 | C 220, 50V C 0.1, Z 50V |
| C391 | ECFF1H104ZF5 | C 0.1, Z 50V |
| C393 | ECFF1H104ZF5 | C 0.1, Z 50V |
| C394 | ECFF1H104ZF5 | C 0.1, Z 50V |
| C482 | ECQV1H474JL3 | P 0.47, J, 50V |
| C483 | ECQV1H474JL3 | P 0.47, J, 50V |
| | | |
| 1204 | COIL BOHIIO-471K | Choka Call |
| L381 | RCH110-471K | Choke Coll |
| | DIODES | |
| D331 | HZ\$18-1 | Zener Diode |
| D332 | HZS18-1 | Zener Diode |
| D381 | ERA91-02 | Diode |
| | TRANSISTORS | |
| Q331 | 2SC3311A | Transistor |
| Q332 | 2SC3311A | Transistor |
| Q341 | UN4221 | Transistor with Resistor |
| Q342 | DTB113ZV | transistor |
| Q351 | UN4221 | Transistor with Resistor |
| Q352 | DTB113ZV | transistor |
| Q361 | UN4221 | Transistor with Resistor |
| Q362 | DTB113ZV | transistor |
| Q373 | 2SC3311A | Transistor |
| Q374 | 28C3311A | Transistor |
| Q377 | 2SB947A-P | Transistor |
| Q378 | 2SB947A-P | Transistor |
| Q381 | 29D2137-P | Transistor |
| Q391 | UN4213 | Transistor Transistor with Resistor |
| Q392 Q393 | UN4221 UN4221 | Transistor with Resistor |
| Q393 Q394 | UN4221 UN4221 | Transistor with Resistor |
| | -111- | |
| 100.44 | ICs | 10 |
| IC341 | SLA7044MLF87 | IC |
| IC351 | SLA7044MLF87 | I IC |
| IC361 | SLA7044MLF87 | IC D/A Converter |
| IC371 | M62353P | D/A Converter |
| IC381 IC391 | NJM2360AD TC74HC273P | CMOS74HC |
| 1C391 1C392 | TC74HC273P | CMOS74HC |
| IC392 | TC74HC273P | CMOS74HC |
| 10000 | , 07-4102101 | |
| | OTHERS | |
| | PBAPX2606045 | DRIVE Board |
| i | PBMYA0014Z | Heat Sink |
| | PBMYA0015Z | Heat Sink |

DRIVE Board (continued)

| Ref No. | Part No. | Description | | | | |
|---------|--------------|---------------------|---|--|--|--|
| | XNG3BFC | Nut | | | | |
| | XYN3+J8FX | Screw | | | | |
| | XYN3+J10FC | Screw | | | | |
| CN331 | 128A32P2L14A | Connector 32P | | | | |
| CN332 | S4P-VH | Connector 4P | | | | |
| CN341 | S06B-XASK-1 | Connector 5P | | | | |
| CN351 | S07B-XASK-1 | Connector 6P | | | | |
| CN361 | S08B-XASK-1 | Connector 7P | | | | |
| CN372 | S05B-XASK-1 | Connector 4P | | | | |
| Z341 | ICP-N70T104 | IC Protector | | | | |
| 2351 | ICP-N70T104 | IC Protector | | | | |
| Z361 | ICP-N70T104 | IC Protector | | | | |
| Z371 | ICP-N70T104 | IC Protector | | | | |
| Z381 | ICP-N70T104 | IC Protector | | | | |
| Z382 | RXE020 | Poly Switch (200mA) | Δ | | | |

MOTHER Board

| Ref No. | Part No. | | Di | escrip | tion | |
|---------|-------------|-----|--------------|--------|-------|--|
| | RESISTORS | | | | | |
| R2001 | ERJ3GEYJ104 | C | 100k, | J, | 1/16W | |
| R2002 | ERJ3GEYJ104 | C | 100k, | J, | 1/16W | |
| R2003 | ERJ3GEYJ104 | C | 100k, | J, | 1/16W | |
| R2004 | ERJ3GEYJ104 | C | 100k, | J, | 1/16W | |
| R2005 | ERJ3GEYJ104 | c | 100k, | J, | 1/16W | |
| R2006 | ERJ3GEYJ104 | C | 100k, | J, | 1/16W | |
| R2007 | ERJ3GEYJ104 | C | 100k, | J. | 1/16W | |
| R2008 | ERJ3GEYJ104 | l c | 100k, | J, | 1/16W | |
| R2009 | ERJ3GEYJ104 | C | 100k, | J, | 1/16W | |
| R2010 | ERJ3GEYJ104 | C | 100k. | J. | 1/16W | |
| R2011 | ERJ3GEYJ104 | C | 100k, | J, | 1/16W | |
| R2012 | ERJ3GEYJ104 | Č | 100k, | J, | 1/16W | |
| R2013 | ERJ3GEYJ104 | C | 100k | J. | 1/16W | |
| R2014 | ERJ3GEYJ104 | C | 100k | J, | 1/16W | |
| R2015 | ERJ3GEYJ104 | C | 100k | J, | 1/16W | |
| R2016 | ERJ3GEYJ104 | c | 100k | J. | 1/16W | |
| R2019 | ERJ3GEYJ472 | C | 4.7k | J, | 1/16W | |
| R2020 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | |
| R2021 | ERJ3GEYJ102 | Č | 1k, | J, | 1/16W | |
| R2022 | ERJ3GEYJ103 | č | 10k, | J, | 1/16W | |
| R2023 | ERJ3GEYJ472 | č | 4.7k, | J, | 1/16W | |
| R2024 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | |
| R2025 | ERJ3GEYJ102 | č | 1k, | J, | 1/16W | |
| R2026 | ERJ3GEYJ103 | l c | 10k. | J, | 1/16W | |
| R2027 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W | |
| R2028 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | |
| R2029 | ERJ3GEYJ102 | ľč | 1k, | J, | 1/16W | |
| R2030 | ERJ3GEYJ103 | lö | 10k, | J, | 1/16W | |
| R2031 | ERJ3GEYJ472 | lč | 4.7k, | J. | 1/16W | |
| R2032 | ERJ3GEYJ102 | C | 4.7K, 1K, | | 1/16W | |
| R2032 | ERJ3GEYJ102 | C | | J, | | |
| | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | |
| R2034 | | C | 10k, | J, | 1/16W | |
| R2035 | ERJ3GEYJ472 | | 4.7k, | J, | 1/16W | |
| R2036 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | |
| R2037 | ERJ3GEYJ102 | 10 | 1k, | J, | 1/16W | |
| R2038 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | |
| R2039 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W | |
| R2040 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | |
| F12041 | ÉRJ3GEYJ102 | C | 1k, | J, | 1/16W | |
| R2042 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | |
| R2043 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W | |
| R2044 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | |
| R2045 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | |
| R2046 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | |
| R2047 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W | |
| R2048 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | |
| R2049 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | |
| R2050 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | |
| R2051 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | |
| R2052 | ERJ3GEYJ391 | C | 390, | J. | 1/16W | |

| D.(N. | D-w N- | <u> </u> | <u>-</u> | | |
|----------------|----------------------------|----------|----------------|----------|----------------|
| Ref No. | Part No. | | D | scrip | |
| R2053 | ERJ6GEYJ331 | C | 330, | J, | 1/10W |
| R2054 R2055 | ERJ6GEYJ331 ERJ6GEYJ331 | C | 330, 330, | J, J, | 1/10W 1/10W |
| R2056 | ERJ6GEYJ331 | č | 330, | J, | 1/10W |
| R2057 | ERJ6GEYJ331 | Č | 330, | J, | 1/10W |
| R2058 | ERJ6GEYJ331 | С | 330, | J, | 1/10W |
| R2059 | ERJ6GEYJ331 | С | 330, | J, | 1/10W |
| R2060 | ERJ6GEYJ331 | C | 330, | J, | 1/10W |
| R2061 R2062 | ERJ6GEYJ331 ERJ6GEYJ331 | C | 330, 330, | J, J, | 1/10W 1/10W |
| R2063 | ERJ6GEYJ331 | c | 330, | J, | 1/10W |
| R2064 | ERJ6GEYJ331 | c | 330. | J, | 1/10W |
| R2065 | ERJ6GEYJ331 | С | 330, | J, | 1/10W |
| R2066 | ERJ6GEYJ331 | С | 330, | J, | 1/10W |
| R2067 | ERJ6GEYJ331 | C | 330, | J, | 1/10W |
| R2068 R2069 | ERJ6GEYJ331 ERJ6GEYJ331 | C | 330, 330, | J, J, | 1/10W 1/10W |
| R2070 | ERJ6GEYJ331 | C | 330, | J, | 1/10W |
| R2071 | ERJ3GEYJ472 | C | 4.7k, | Ĵ, | 1/16W |
| R2072 | ERJ3GEYJ472 | С | 4.7k, | J, | 1/16W |
| R2073 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W |
| R2074 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W |
| R2075 R2076 | ERJ3GEYJ472 ERJ3GEYJ472 | C | 4.7k, 4.7k, | J, J, | 1/16W 1/16W |
| R2077 | ERJ3GEYJ472 | Č | 4.7k, | J, | 1/16W |
| R2078 | ERJ3GEYJ472 | Č | 4.7k, | Ĵ, | 1/16W |
| R2079 | ERJ3GEYJ472 | С | 4.7k, | J, | 1/16W |
| R2080 | ERJ3GEYJ472 | С | 4.7k, | J, | 1/16W |
| R2081 R2082 | ERJ3GEYJ472 ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W 1/16W |
| R2082 R2083 | ERJ3GEYJ472 | C | 4.7k, 4.7k, | J, J, | 1/16W |
| R2084 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W |
| R2085 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W |
| R2086 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W |
| R2087 | ERJ6GEYJ331 | C | 330, | J, | 1/10W |
| R2088 R2089 | ERJ6GEYJ331 ERJ6GEYJ331 | C | 330, 330, | ار ال | 1/10W 1/10W |
| R2090 | ERJ6GEYJ331 | C | 330, | J, | 1/10W |
| R2091 | ERJ3GEYJ151 | С | 150, | J, | 1/16W |
| R2092 | ERJ3GEYJ151 | C | 150, | J, | 1/16W |
| R2093 | ERJ3GEYJ151 | C | 150, | J, | 1/16W |
| R2094 R2095 | ERJ3GEYJ151 ERJ3GEYJ151 | C | 150, 150, | J, J, | 1/16W 1/16W |
| R2096 | ERJ3GEYJ151 | c | 150, | J, | 1/16W |
| R2097 | ERJ3GEYJ151 | C | 150, | J, | 1/16W |
| R2098 | ERJ3GEYJ151 | С | 150, | J, | 1/16W |
| R2099 | ERJ3GEYJ151 | C | 150, | ٦, | 1/16W |
| R2100 R2101 | ERJ3GEYJ151 ERJ3GEYJ151 | C | 160, 150. | J, J. | 1/16W 1/16W |
| R2102 | ERJ3GEYJ151 | C | 150, | J, | 1/16W |
| R2103 | ERJ3GEYJ151 | C | 150, | J, | 1/16W |
| R2104 | ERJ3GEYJ471 | С | 470, | J, | 1/16W |
| R2105 | ERJ3GEYJ472 | C | 4.7k, | J, | 1/16W |
| R2106 R2107 | ERJ3GEYJ104 ERJ3GEYJ472 | C | 100k, 4.7k, | J, J, | 1/16W 1/16W |
| R2107 | ERJ3GEYJ472 | 0 | 4.7k, 4.7k, | J, | 1/16W |
| R2109 | ERJ3GEYJ104 | C | 100k | J, | 1/16W |
| R2110 | ERJ3GEYJ104 | C | 100k, | J, | 1/16W |
| R2111 | ERJ12YJ471 | C | 470, | J, | 1/4W |
| R2112 | ERJ12YJ471 | C | 470, | J, | 1/4W |
| R2113 R2114 | ERJ12YJ471 ERJ12YJ471 | C | 470, 470, | J, J, | 1/4W 1/4W |
| R2115 | ERJ12YJ471 | č | 470, 470, | J, | 1/4W |
| R2116 | ERJ3GEYJ471 | C | 470, | J, | 1/16W |
| R2117 | ERJ6GEYJ181 | C | 180, | J, | 1/10W |
| R2118 | ERJ6GEYJ181 | C | 180, | J, | 1/10W |
| R2119 | ERJ3GEYJ104 | C | 100k, | J, | 1/16W |
| | | | | | |
| l | 1 | | | | |
| | 1 | | | | |

| MOTHER Board (continued) | | | | |
|---|--|--|--|--|
| Ref No. | Part No. | Description | | |
| | Ţ | | | |
| D2002 D2003 D2004 | ECEV1EA101UP DIODES SC016-2TE12 SC016-2TE12 SC016-2TE12 | C 100, 16V Diode Diode Diode Diode | | |
| Q2002 Q2003 Q2004 Q2005 Q2006 Q2007 Q2008 Q2008 Q2010 Q2011 Q2011 Q2012 Q2013 Q2014 | TRANSISTORS 28C2412K 28C2412K 28C2412K 28C2412K 28C2412K 28C2412K 28C2412K 28C2412K 28C2412K 28C2412K 28C2412K 28C2412K 28C2412K 28C2412K 28C2412K 28C2412K 28C2412K | Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor | | |
| IC2001 IC2002 IC2003 IC2004 IC2005 IC2006 IC2007 IC2010 | ICs SN74HC245NS2 NJM2901M NJM2901M M62353FP75N M62353FP75N SN74HC245NS2 SN74HC245NS2 UPC29M12HF | IC IC IC D/A Converter (8ch) D/A Converter (8ch) IC IC | | |
| CN2001 CN2002 CN2003 CN2004 CN2005 CN2007 CN2008 CN2009 CN2010 CN2011 Z2001 Z2002 Z2003 | OTHERS PBAPX2796045 176379-6 176379-3 128A32S2L14A S09B-XASK-1 S04B-XASK-1 DF1122DP2DSA SLD34R-1 26FMZ-BT 28FMZ-BT ILS4PS2L2EF RXE065 RXE017 RXE017 | MOTHER Board Connector 140P Connector 80P Connector 32P Connector 4P Connector 22P Connector 32P Connector 32P Connector 32P Connector 26P Connector 26P Connector 4P Poly Switch (650mA) Poly Switch (170mA) | | |

| | PANEL Board | | | | | | | | |
|---|----------------|--------------------------|------------------------|----------|--------------|---|--|--|--|
| | Ref No. | Part No. | D | escrip | otion | | | | |
| | | RESISTORS | | | | - | | | |
| | R543 | ERDS2TJ332 | C 3.3k, | J, | 1/4W | | | | |
| | R544 | ERDS2TJ103 | C 10k, | J, | 1/4W | | | | |
| | R545 | ERDS2TJ332 | C 3.3k, | J, | 1/4W | | | | |
| | R546 | ERDS2TJ182 | C 1.8k, | J, | 1/4W | | | | |
| | R547 R548 | ERDS2TJ681 ERDS2TJ331 | C 680, C 330, | J, J. | 1/4W 1/4W | ĺ | | | |
| | R549 | ERDS2TJ337 ERDS2TJ182 | C 1.8k, | J, | 1/4W | | | | |
| | R550 | ERDS2TJ151 | C 150, | J, | 1/4W | | | | |
| | R551 | ERDS2TJ102 | C 1k, | J, | 1/4W | | | | |
| | R552 | ERDS2TJ102 | C 1k, | J, | 1/4W | | | | |
| | R553 | ERDS2TJ102 | C 1k, | J, | 1/4W | - | | | |
| | R554 | ERDS2TJ102 | C 1k, | J, | 1/4W | | | | |
| | R555 | ERDS2TJ102 | C 1k, | J, | 1/4W | | | | |
| | R556 R557 | ERDS2TJ102 ERDS2TJ102 | C 1k, | J, J, | 1/4W 1/4W | ı | | | |
| | R558 | ERDS2TJ102 | C ik | J, | 1/4W | | | | |
| | R559 | ERDS2TJ102 | C 1k, | J, | 1/4W | | | | |
| | R560 | ERDS2TJ102 | C 1k, | J, | 1/4W | | | | |
| | R570 | ERD\$2TJ103 | C 10k, | J, | 1/4W | | | | |
| | R571 | ERDS2TJ103 | C 10k, | J, | 1/4W | | | | |
| | R572 | ERDS2TJ103 | C 10k, | J, | 1/4W | | | | |
| | R573 | ERDS2TJ103 | C 10k, | J, | 1/4W | ļ | | | |
| | Z503 | EXBZ5E103J | Resistor Array | | | ļ | | | |
| | Z605 | EXBZ5E103J | Resistor Array | | | 1 | | | |
| į | Z507 Z508 | EXBZ5E103J EXBZ5E103J | Resistor Array | | | | | | |
| ı | 2508 | EXPERION | Resistor Array | | | | | | |
| | | CAPACITORS | | | | | | | |
| | C544 | ECQV1H224JL | P 0.22, | J, | 50V | | | | |
| | C545 | RPE132F104 | Capacitor | · | | | | | |
| 1 | C546 | RPE132F104 | Capacitor | | | | | | |
| | C547 | ECEA1AKS101 | E 100, | | 10V | | | | |
| | C548 | RPE132F104 | Capacitor | | | | | | |
| | C549 | RPE132F104 | Capacitor | | | | | | |
| | C587 | RPE132F104 | Capacitor | | | | | | |
| | C588 C589 | RPE132F104 RPE132F104 | Capacitor Capacitor | | | | | | |
| | 0308 | RE ISET 104 | Capacitor | | | | | | |
| | | DIODE | | | | | | | |
| | D513 | GL9ED2 | LED | | | | | | |
| | | TRANSISTORS | | | | | | | |
| | Q536 | UN4213 | Transistor | | | | | | |
| | Q538 | UN4213 | Transistor | | | | | | |
| | Q539 | UN4213 | Transistor | | | | | | |
| | | iCs | Ì | | | | | | |
| | IC508 | SN74HC365N | l ic | | | | | | |
| | IC509 | SN74HC365N | lic | | | | | | |
| | IC510 | RCM7065X-B | Choke Coll | | | | | | |
| į | | | | | | | | | |
| | | OTHERS | | | | | | | |
| | | PBAPX2806045 | PANEL Board | | | | | | |
| | | FFC14AMEP1 | Connector | | | | | | |
| | | C-2005 XNG2FFX | Spacer Nut | | | | | | |
| | | XYN2+J12FX | Screw | | | | | | |
| | BZ501 | PKM22EPP4002 | Buzzer | | | | | | |
| | CN536 | DF11-22DP2DS | Connector 22P | | | | | | |
| | SW501 | EVQ23405R | Switch | | | | | | |
| | SW502 | EVQ23405R | Switch | | | | | | |
| | SW503 | EVQ23405R | Switch | | | | | | |
| | SW504 | EVQ23405R | Switch | | | | | | |
| | SW505 | EVQ23405R | Switch | | | | | | |
| | SW506 | EVQ23405R | Switch | | | | | | |
| | SW507 | EVQ23405R | Switch | | | | | | |
| | SW508 | EVQ23405R | Switch | | | | | | |
| | SW509 SW510 | EVQ23405R EVQ23405R | Switch Switch | | | | | | |
| | 311310 | E V GIZOMUUNI | J 3 *** (6) | | | | | | |
| | | | | | | | | | |
| | I | | I | | | | | | |

CARRIAGE HOME DETECTOR Board

| Ref No. | Part No. | Description |
|---------|--------------|----------------------------|
| | RESISTORS | |
| R501 | ERDS2TJ331 | C 330, J, 1/4W |
| R502 | ERDS2TJ103 | C 10k, J, 1/4W |
| | CAPACITOR | |
| C501 | RPE132F104 | Capacitor |
| | TRANSISTOR | |
| Q501 | 2SC3311A | Transistor |
| | ic | |
| IC501 | TLP832 | Photointerrupter |
| | OTHERS | |
| · | PBAPX2816045 | CARRIAGE HOME SENSOR Board |
| CN516 | ILS4PS2L2EF | Connector 4P |

CCD Board

| Ref No. | Part No. | | D | escrip | Description | | | | | |
|---------|-------------|-------|----------|--------|-------------|--|--|--|--|--|
| | RESISTORS | | | | | | | | | |
| R1 | ERJ3GEYJ470 | C | 47, | J, | 1/16W | | | | | |
| R2 | ERJ3GEYJ222 | C | 2.2k, | J, | 1/16W | | | | | |
| R3 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | | | | | |
| R4 | ERJ3GEYJ472 | C | 4.7k. | J, | 1/16W | | | | | |
| R5 | ERJ3GEYJ561 | C | 560, | J, | 1/16W | | | | | |
| R6 | ERJ3GEYJ562 | C | 5.6k, | J, | 1/16W | | | | | |
| R7 | ERJ3GEYJ152 | C | 1.5k, | J, | 1/16W | | | | | |
| R8 | ERJ3GEYJ470 | C | 47, | J, | 1/16W | | | | | |
| R9 | ERJ3GEY0R00 | 0-ohr | n Jumper | | | | | | | |
| R10 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | | | | | |
| R11 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | | | | | |
| R14 | ERJ3GEYJ470 | C | 47, | J, | 1/16W | | | | | |
| R16 | ERJ3GEYJ470 | C | 47, | J, | 1/16W | | | | | |
| R17 | ERJ3GEYJ470 | C | 47, | J, | 1/16W | | | | | |
| R20 | ERJ3GEYJ223 | C | 22k, | J, | 1/16W | | | | | |
| R21 | ERJ3GEYJ223 | C | 22k, | J, | 1/16W | | | | | |
| R31 | ERJ3GEYJ470 | C | 47, | J, | 1/16W | | | | | |
| R32 | ERJ3GEYJ222 | C | 2.2k, | J, | 1/16W | | | | | |
| R33 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | | | | | |
| R34 | ERJ3GEYJ472 | C | 4.7k | J, | 1/16W | | | | | |
| R35 | ERJ3GEYJ561 | c | 560, | J, | 1/16W | | | | | |
| R36 | ERJ3GEYJ562 | C | 5.6k | J, | 1/16W | | | | | |
| R37 | ERJ3GEYJ152 | l c | 1.5k | J, | 1/16W | | | | | |
| R38 | ERJ3GEYJ470 | l c | 47, | J, | 1/16W | | | | | |
| R39 | ERJ3GEY0R00 | 0-ohr | n Jumper | | | | | | | |
| R40 | ERJ3GEYJ102 | C | tk, | J, | 1/16W | | | | | |
| R41 | ERJ3GEYJ102 | C | tk, | J, | 1/16W | | | | | |
| R44 | ERJ3GEYJ470 | C | 47, | J, | 1/16W | | | | | |
| R46 | ERJ3GEYJ470 | C | 47, | J, | 1/16W | | | | | |
| R47 | ERJ3GEYJ470 | C | 47, | J, | 1/16W | | | | | |
| R51 | ERJ3GEYJ220 | C | 22, | J, | 1/16W | | | | | |
| R52 | ERJ3GEYJ221 | C | 220, | J, | 1/16W | | | | | |
| R53 | ERJ3GEYJ681 | C | 680, | J, | 1/16W | | | | | |
| R54 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | | | | | |
| R55 | ERJ6GEYJ270 | C | 27, | J, | 1/10W | | | | | |
| R60 | ERJ3GEYJ470 | C | 47, | J, | 1/16W | | | | | |
| R61 | ERJ3GEYJ220 | C | 22, | J, | 1/16W | | | | | |
| R62 | ERJ3GEYJ221 | c | 220, | J, | 1/16W | | | | | |
| R63 | ERJ3GEYJ681 | c | 680, | J, | 1/16W | | | | | |
| R64 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | | | | | |
| R65 | ERJ6GEYJ270 | C | 27, | J, | 1/10W | | | | | |
| R67 | ERJ3GEYJ103 | C | 10k, | J, | 1/16W | | | | | |
| R68 | ERJ3GEYJ681 | c | 680, | J, | 1/16W | | | | | |
| R69 | ERJ3GEYJ102 | c | 1k, | J, | 1/16W | | | | | |
| R71 | ERJ3GEYJ101 | c | 100, | J, | 1/16W | | | | | |
| R72 | ERJ3GEYJ101 | C | 100, | J, | 1/16W | | | | | |
| R73 | ERJ3GEYJ2R2 | C | 2.2, | J, | 1/16W | | | | | |
| R74 | ERJ3GEYJ2R2 | C | 2.2, | J, | 1/16W | | | | | |
| R75 | ERJ3GEYJ101 | l c | 100, | J, | 1/16W | | | | | |

| Ref No. | Part No. | Description | | | | | |
|------------|------------------------------|--------------|--------------|----------|-------------|-----|--|
| R76 | ERJ3GEYJ101 | С | 100, | J, | 1/16W | ᅦ | |
| R77 | ERJ3GEYJ2R2 | C | 2,2, | J, | 1/16W | | |
| R78 | ERJ3GEYJ2R2 | C | 2.2. | J, | 1/16W | - | |
| R79 | ERJ3GEYJ101 | С | 1k, | J, | 1/16W | | |
| R80 | ERJ3GEY0R00 | 0-ohm | Jumper | | | 1 | |
| R81 | ERJ3GEYJ681 | С | 680, | J, | 1/16W | - 1 | |
| R82 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | | |
| R83 | ERJ3GEYJ681 | С | 680, | J, | 1/16W | | |
| R84 | ERJ3GEYJ102 | С | 1k, | J, | 1/16W | ı | |
| R85 | ERJ3GEYJ681 | Ç | 680, | J, | 1/16W | - 1 | |
| R86 | ERJ3GEYJ102 | C | 1k, | J, | 1/16W | | |
| R87 | ERJ3GEYJ681 | С | 680, | J, | 1/16W | | |
| R88 | ERJ3GEYJ102 | С | 1k, | J, | 1/16W | | |
| R89 | ERJ3GEYJ470 | С | 47, | J, | 1/16W | | |
| R90 | ERJ3GEYJ470 | C | 47, | J, | 1/16W | | |
| R91 | ERJ3GEYJ470 | C | 47, | J, | 1/16W | | |
| R92 | ERJ3GEY0R00 | | Jumper | | | | |
| R96 R97 | ERJ3GEY0R00 ERJ3GEY0R00 | | Jumper | | | | |
| R98 | ERJ3GEY0R00 | 1 | Jumper | | | | |
| uao | | U-Onin | Jumper | | | | |
| C1 . | CAPACITORS ECUX1E104ZFV | С | 0.1, | Z, | 25V | | |
| C2 | ECUX1E104ZFV | C | 0.1, | Z, Z, | 25V 25V | 1 | |
| C3 | ECEVICATO1P | c | 100. | _, | 16V | 1 | |
| C4 | ECUX1E104ZFV | C | 0.1, | Z, | 25V | Ì | |
| C5 | ECUX1E104ZFV | C | 0.1, | Z, | 25V | | |
| C6 | ECEV1CA101P | c | 100 | , | 16V | 1 | |
| C7 | ECUX1E104ZFV | C | 0.1 | Z, | 25V | i | |
| C8 | ECUX1E104ZFV | С | 0.1 | Z, | 25V | | |
| C9 | ECUX1E104ZFV | С | 0.1, | Z, | 25V | | |
| C10 | ECUX1E104ZFV | C | 0.1, | Z, | 25V | | |
| C11 | ECEV1AA101SP | C | 100, | | 10V | | |
| C13 | ECUX1E104ZFV | C | 0.1, | Z, | 25V | | |
| C14 | ECEV1AA101SP | С | 100, | | 10V | | |
| C15 | ECUX1E104ZFV | С | 0.1, | Z, | 25V | | |
| C16 | ECUX1E104ZFV | C | 0.1, | Z, | 25V | | |
| C31 | ECUX1E104ZFV | C | 0.1, | Z, | 25V | | |
| C32 | ECEV1CA101P | C | 100, | - | 16V | | |
| C33 C34 | ECUX1E104ZFV | C | 0.1, 0.1, | Z, Z, | 25V 25V | | |
| C35 | ECUX1E104ZFV | c | 0.1, | Z, Z, | 25V 25V | | |
| C36 | ECUX1E104ZFV | c | 0.1, | Z, Z, | 25V | | |
| C37 | ECEVIAA1018P | c | 100, | -, | 10V | | |
| C39 | ECUX1E104ZFV | c | 0.1, | Z, | 25V | | |
| C40 | ECEVIAA1018P | c | 100, | | 10V | | |
| C41 | ECEV1AA330NP | Ċ | 33, | | 10V | | |
| C42 | ECUX1E104ZFV | С | 0.1, | Z, | 25V | | |
| C43 | ECEV1AA330NP | С | 33, | • | 10V | | |
| C44 | ECUX1E104ZFV | С | 0.1, | Z, | 25V | | |
| C45 | ECUX1E104ZFV | С | 0.1, | Z, | 25V | | |
| C46 | ECUX1E104ZFV | С | 0.1, | Z, | 25V | 1 | |
| C47 | ECUX1E104ZFV | С | 0.1, | Z, | 25V | 1 | |
| C48 | ECUX1E104ZFV | С | 0.1, | Z, | 25V | | |
| C49 | ECEV1AA101SP | C | 100, | _ | 10V | | |
| C50 | ECUX1E104ZFV | C | 0.1, | Z, | 25V | | |
| C51 | ECUX1E104ZFV | C | 0.1, | Z, | 25V | | |
| C52 | ECUX1E104ZFV | C | 0.1, | Z, | 25V | | |
| C53 | ECEVIAA101SP | C | 100, | ~ | 10V | | |
| C54 | ECUX1E104ZFV | C | 0.1, | Z, | 25V | | |
| C55 | ECEV1AA101SP ECUX1E104ZFV | C | 100, | 7 | 10V | | |
| C56 C57 | ECEV1AA101SP | C | 0.1, 100, | Z, | 25V 10V | | |
| C58 | ECUX1E104ZFV | C | 0.1, | Z, | 25V | | |
| C58 | ECUX1E104ZFV | C | 0.1, | Z, Z, | 25V 25V | | |
| C60 | ECUX1E104ZFV | C | 0.1, | Z, Z, | 25V 25V | | |
| C61 | ECUX1E104ZFV | C | 0.1, | Z, Z, | 25V | | |
| C62 | ECUX1E104ZFV | Č | 0.1, | Z, . | 25V 25V | | |
| C63 | ECUX1E104ZFV | Č | 0.1, | Z, | 25V | | |
| C64 | ECUX1H101JCV | C | 100p, | Z, | 50V | | |
| C81 | ECUX1E104ZFV | С | 0.1, | Z, | 25V | | |
| C82 | ECUX1E104ZFV | C | 0.1, | Z, | 25 V | | |
| | L | Ļ | ···· | · · | | | |

CCD Board (continued)

| COD BO | CD Board (continued) | | | | | | |
|---|---|--|--|--|--|--|--|
| Ref No. | Part No. | Description | | | | | |
| C83 | ECEV1AA101SP | C 100, 10V | | | | | |
| C84 | ECUX1H101JCV | C 100p, Z, 50V | | | | | |
| C91 | ECEV1VA470P | Capacitor | | | | | |
| C92 | ECEV1VA470P | Capacitor | | | | | |
| C93 | ECEV1VA470P | Capacitor | | | | | |
| C94 | ECEV1VA470P | Capacitor | | | | | |
| C99 | ECUX1E104ZFV | C 0.1, Z, 25V | | | | | |
| | COILS | | | | | | |
| L1 | LQH4N220K04 | Coll | | | | | |
| L2 | LQH4N220K04 | Coll | | | | | |
| L3 | LQH4N220K04 | Coll | | | | | |
| L4 | LQH4N220K04 | Coll | | | | | |
| L5 | LQH4N220K04 | Coil | | | | | |
| | DIODE | | | | | | |
| D1 | S1ZAS44062 | Diode | | | | | |
| G1 G2 G3 G4 G5 G6 G7 G8 G9 | TRANSISTORS 2SC2412K IMT1A 2SC2412K IMT1A 2SA1037K 2SC2412K 2SA1037K 2SC2412K IMB1A | Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Transistor Digital Transistor | | | | | |
| IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 | ICs ILX510 LM6171BIM SN74HC4066NS LM6171BIM M52992FP SN74HC14NS20 SN74HC04NS20 TC7S14F TC7S14F SN74HC14NS20 | C C C C C C C C C C | | | | | |
| CN1 CN2 | OTHERS PBAPX2826045 PBHE26Z SLD34S-1 PBS48-PH | CCD Board Spacer Connector 34P Connector 4P | | | | | |

RETARD POSITION DETECTOR Board

| Ref No. | Part No. | Description | | | | |
|---------|---------------------------------|--|--|--|--|--|
| R503 | RESISTORS ERDS2TJ331 | C 330, J, 1/4W | | | | |
| Ř504 | ERDS2TJ103 | C 10k, J, 1/4W | | | | |
| C502 | CAPACITOR RPE132F104 | Capacitor | | | | |
| Q502 | TRANSISTOR 2SC3311A | Transistor | | | | |
| IC502 | IC TLP832 | Photointerrupter | | | | |
| CN517 | OTHERS PBAPX2836045 PBILS5PS2L2 | RETARD POSITION SENSOR Board Connector 5P | | | | |
| L | <u> </u> | | | | | |

DOUBLE FEED DETECTOR (R) Board

| Ref No. | Part No. | | De | escrip | tion | |
|---------|--|--|----------|--------|------|--|
| | RESISTORS | | | | | |
| R533 | ERDS2TJ392 | C | 3.9k, | J, | 1/4W | |
| R534 | ERDS2TJ104 | | 100k, | J, | 1/4W | |
| R535 | ERDS2TJ393 | С | 39k, | J, | 1/4W | |
| R536 | ERDS2TJ823 | С | 82k, | J, | 1/4W | |
| R537 | ERDS2TJ124 | | 120k, | J, | 1/4W | |
| R538 | ERD\$2TJ153 | C | 15k, | J, | 1/4W | |
| R539 | ERDS2TJ822 | | 8.2k, | J, | 1/4W | |
| R540 | ERDS2TJ104 | | 000k, | J, | 1/4W | |
| R541 | ERDS2TJ153 | С | 15k, | J, | 1/4W | |
| R542 | ERDS2TJ102 | С | 1k, | J, | 1/4W | |
| | CAPACITORS | | | | | |
| C536 | ECQB1H103JF3 | P | 0.01, | J, | 50V | |
| C537 | ECQV1H104JL3 | P | 0.1, | J, | 50V | |
| C538 | ECQV1H104JL3 | P | 0.1, | J, | 50V | |
| C539 | ECQB1H222JF | P 2 | 200p, | J, | 50V | |
| C540 | ECQB1H103JF3 | P | 0.01, | J, | 50V | |
| C541 | ECQV1H104JL3 | P | 0.1, | J, | 50V | |
| C542 | ECQ81H103JF3 | | 0.01, | J, | 50V | |
| C543 | ECEA1EKS100 | E | 10, | | 25V | |
| D512 | DIODE MA165 | Diode | | | | |
| 0012 | MATOS | Diode | | | | |
| IC507 | NJM2082D | Operation | al Amn | | | |
| 13007 | | - Pelauon | ut Allip | • | | |
| CN535 | OTHERS PBAPX2846045 PBHRA0201Z PBILS6PS2T2 | DOUBLE FEED DETECTOR (R) Board Spacer | | | | |
| X502 | MA40S4R | Connector Diode | יוס ו | | | |

DOUBLE FEED DETECTOR (G) Board

| Ref No. | Part No. | | Description | | | |
|---------|--------------|---------|-------------|-------|---------------|--|
| | RESISTORS | | | | | |
| R628 | ERDS2TJ822 | C | 8.2k, | J, | 1/4W | |
| R529 | ERDS2TJ222 | С | 2.2k, | J, | 1/4W | |
| R530 | ERDS2TJ103 | C | 10k, | J, | 1/4W | |
| R531 | ERDS2TJ102 | С | 1k, | J, | 1/4W | |
| R532 | ERDS2TJ103 | С | 10k, | J, | 1/4W | |
| | CAPACITORS | | | | | |
| C535 | RPE132F104 | Capaci | tor | | | |
| C553 | ECEA1EKS100 | E | 10, | | 25V | |
| C554 | ECEA1VKS100 | Capaci | tor | | | |
| | TRANSISTORS | | | | | |
| Q531 | 28C3311A | Transis | tor | | | |
| Q532 | 2SA1309A | Transia | tor | | | |
| Q533 | 2SC3311A | Transis | tor | | | |
| Q534 | 2SC3311A | Transis | tor | | | |
| Q535 | UN4213 | Transis | tor | | | |
| | OTHERS | | | | | |
| | PBAPX2856045 | DOUBL | E FEED | DETEC | TOR (T) Board | |
| | PBHRA0201Z | Spacer | | | | |
| CN534 | PBILS8PS2T2 | Connec | otor 8P | | | |
| X501 | MA40S4S | Oscilla | tor | | | |

STARTING POSITION SENSOR Board

| Ref No. | Part No. | | Description | | | | |
|---------|------------|---|-------------|----|------|--|--|
| | RESISTORS | | | | | | |
| R505 | ERDS2TJ103 | С | 10k, | J, | 1/4W | | |
| R506 | ERDS2TJ102 | С | 1k, | J, | 1/4W | | |
| R507 | ERDS2TJ223 | С | 22k, | J, | 1/4W | | |

STARTING POSITION SENSOR Board (continued)

| Ref No. | Part No. | Description | | | | | |
|---------|--------------|------------------|--|--|--|--|--|
| R508 | ERDS2TJ222 | C 2.2k, J, 1/4W | | | | | |
| R509 | ERDS2TJ103 | C 10k, J, 1/4W | | | | | |
| | CAPACITORS | | | | | | |
| C503 | ECQB1H103JF3 | P 0.01, J, 50V | | | | | |
| C504 | ECQB1H103JF3 | P 0.01, J, 50V | | | | | |
| C505 | RPE132F104 | Capacitor | | | | | |
| C506 | ECEA1EKS100 | E 10, 25V | | | | | |
| C507 | ECBT1H102KB5 | E 4.7, 35V | | | | | |
| C508 | ECBT1H102KB5 | E 4.7, 35V | | | | | |
| C509 | RPE132F104 | Capacitor | | | | | |
| C571 | ECBT1C122MR5 | C 1200, 16V | | | | | |
| | DIODE | | | | | | |
| D515 | MA165 | Diode | | | | | |
| | TRANSISTORS | | | | | | |
| Q503 | 2SA1309A | Transistor | | | | | |
| Q504 | 2SC3311A | Transistor | | | | | |
| Q505 | PN168 | Phototransistor | | | | | |
| Q506 | 2SC3311A | Transistor | | | | | |
| | OTHERS | | | | | | |
| | PBAPX2866045 | TOP SENSOR Board | | | | | |
| 1 | PBHRA0055Z | Spacer | | | | | |
| CN519 | PBILS6PS2L2 | Connector 6P | | | | | |
| CN520 | PBILS7PS2L2 | Connector 7P | | | | | |

STARTING POSITION LED Board

| Ref No. | Part No. | Description |
|---------|--|---|
| D501 | DIODE TLN119 | LED |
| CN518 | OTHERS PBAPX2876045 LH-6-2 S5B-PH | TOP LED Board Spacer Connector 5P |

SIZE SENSOR Board

| Ref No. | Part No. | | De | escrip | tion | |
|---------|--------------|-----|--------|--------|------|--|
| | RESISTORS | | | | | |
| R510 | ERDS2TJ103 | C | 10k, | J, | 1/4W | |
| R511 | ERDS2TJ103 | C | 10k, | J, | 1/4W | |
| R512 | ERDS2TJ103 | C | 10k, | J, | 1/4W | |
| R513 | ERDS2TJ103 | C | 10k, | J, | 1/4W | |
| R514 | ERDS2TJ103 | C | 10k, | J, | 1/4W | |
| R515 | ERDS2TJ103 | C | 10k, | J, | 1/4W | |
| R516 | ERDS2TJ103 |) C | 10k, | J, | 1/4W | |
| R517 | ERDS2TJ103 | c | 10k, | J, | 1/4W | |
| R518 | ERDS2TJ103 | С | 10k, | J, | 1/4W | |
| | CAPACITORS | | | | | |
| C510 | ECBT1H102KB5 | lε | . 4.7, | | 35V | |
| C511 | ECBT1H102KB5 | E | 4.7, | | 35V | |
| C512 | ECBT1H102KB5 | E | 4.7. | | 35V | |
| C513 | ECBT1H102KB5 | E | 4.7, | | 35V | |
| C514 | ECBT1H102KB5 | ΙE | 4.7, | | 35V | |
| C515 | ECBT1H102KB5 | ΙE | 4.7. | | 35V | |
| C516 | ECBT1H102KB5 | E | 4.7, | | 35V | |
| C517 | ECBT1H102KB5 | E | 4.7, | | 35V | |
| C518 | ECBT1H102KB5 | E | 4.7 | | 35V | |
| C519 | ECBT1H102KB5 | E | 4.7, | | 35V | |
| C520 | ECBT1H102KB5 | E | 4.7, | | 35V | |
| C521 | ECBT1H102KB5 | E. | 4.7, | | 35V | |
| C522 | ECBT1H102KB5 | E | 4.7, | | 35V | |
| C523 | ECBT1H102KB5 | E | 4.7, | | 35V | |

| Ref No. | Part No. | Descrip | otion |
|--------------|-------------------|-------------------------------|-------|
| C524 | ECBT1H102KB5 | E 4.7, | 35V |
| C525 | ECBT1H102KB5 | E. 4.7, | 35V |
| C526 | ECBT1H102KB5 | E 4.7, | 35V |
| C527 | ECBT1H102KB5 | E 4.7, | 35V |
| C551 | RPE132F104 | Capacitor | |
| C552 | RPE132F104 | Capacitor | |
| C573 | ECBT1C122MR5 | E 4.7, | 35V |
| C574 | ECBT1C122MR5 | E 4.7, | 35V |
| C575 | ECBT1C122MR5 | E 4.7, | 35V |
| C576 . | ECBT1C122MR5 | E 4.7, | 35V |
| C577 | ECBT1C122MR5 | E 4.7, | 35V |
| C578 | ECBT1C122MR5 | E 4.7, | 35V |
| C579 | ECBT1C122MR5 | E 4.7, | 35V |
| C580 | ECBT1C122MR5 | E 4.7, | 35V |
| C581 | ECBT1C122MR5 | E 4.7, | 35V |
| | ED ANGIOTODO | | |
| 0507 | TRANSISTORS | Dhataireachtar | |
| Q507 | PN168 2SC3311A | Phototransistor Transistor | |
| Q508 | | Phototransistor | |
| Q509 | PN168 | Transistor | |
| Q510 Q511 | 2SC3311A PN168 | Phototransistor | |
| Q511 | 2SC3311A | Transistor | |
| Q512 Q513 | PN168 | Phototransistor | |
| Q513 Q514 | 2SC3311A | Transistor | |
| Q514 Q515 | PN168 | Phototransistor | |
| Q516 | 2SC3311A | Transistor | |
| Q517 | PN168 | Phototransistor | |
| Q518 | 2SC3311A | Transistor | |
| Q519 | PN168 | Phototransistor | |
| Q520 | 2SC3311A | Transistor | |
| Q521 | PN168 | Phototransistor | |
| Q522 | 2SC3311A | Transistor | |
| Q523 | PN168 | Phototransistor | |
| Q524 | 2SC3311A | Transistor | |
| | | | |
| Ī | OTHERS | | |
| | PBAPX2886045 | SIZE SENSOR Board | |
| | PBHRA0055Z | Spacer | |
| CN521 | DF11-16DP2DS | Connector 16P | |

SIZE LED Board

| Ref No. | Part No. | Description |
|---------|--------------|----------------|
| | DIODES | |
| D502 | TLN119 | LED |
| D503 | TLN119 | LED |
| D504 | TLN119 | LED |
| D505 | TLN119 | LED |
| D506 | TLN119 | LED |
| D507 | TLN119 | LED |
| D508 | TLN119 | LED |
| D509 | TLN119 | LED |
| D510 | TLN119 | LED |
| ţ | | |
| ł | OTHERS | |
| | PBAPX2896045 | SIZE LED Board |
| | PBHRA0055Z | Spacer |
| CN524 | DF11-10DP2DS | Connector 10P |

ENDING POSITION SENSOR Board

| Ref No. | Part No. | Description | | |
|---------|------------------------|-------------|---------|------|
| R527 | RESISTOR ERDS2TJ103 | С | 10k, J, | 1/4W |

ENDING POSITION SENSOR Board (continued)

| Ref No. | Part No. | De | scription |
|---------|--------------|-----------------|-----------|
| | CAPACITORS | | • |
| C532 | ECBT1H102KB5 | E 1000p, | 50V |
| C533 | RPE132F104 | Capacitor | |
| C534 | ECBT1H102KB5 | E 1000p, | 50V |
| C572 | ECBT1C122MR5 | E 1200p, | 50V |
| | TRANSISTORS | | |
| Q529 | PN168 | Phototransistor | |
| Q530 | 2SC3311A | Transistor | |
| | OTHERS | | |
| | PBAPX2906045 | EXIT SENSOR BE | pard |
| | LH-5-2 | Spacer | |
| CN531 | P8878-PH | Connector 7P | |
| CN532 | B8B-PH | Connector 8P | |

ENDING POSITION LED Board

| Ref No. | Part No. | Description | |
|---------|--------------|----------------|--|
| | DIODE | | |
| D511 | TLN119 | LED | |
| | OTHERS | | |
| | PBAPX2916045 | EXIT LED Board | |
| | PBHMA0170Z | Ground Plate | |
| | PBHRA0055Z | Spacer | |
| CN525 | S5B-PH | Connector 6P | |
| CN526 | PBS4B-PH | Connector 4P | |

RELAY (SIDE) Board

| Ref No. | No. Part No. Description | | | | | |
|----------------------------------|--|------|---|-------|------|--|
| R561 | RESISTOR ERDS2TJ101 | С | 100, | J, | 1/4W | |
| C555 | CAPACITOR ECQV1H474JL3 | P | 0.47, | J, | 50V | |
| CN509 | OTHERS PAUX37802 PBAPX2926045 DF1124DP2DSA | | NY (SIDE) E ector 24P | Board | | |
| CN510 CN511 CN512 CN514 | DF11-10DPDSA ILS7PS2T2EF B8B-PH ILS5PS2T2EF | Conn | ector 10P ector 7P ector 8P ector 5P | | | |

HOPPER HOME SENSOR Board

| Ref No. | Part No. | | D | Description | | |
|---------|--------------|-------|-------------|-------------|----------|--|
| | RESISTORS | | | | | |
| R525 | ERDS2TJ331 | C | 330, | J, | 1/4W | |
| R526 | ERDS2TJ103 | C | 10k, | J, | 1/4W | |
| | CAPACITOR | | | | | |
| C531 | RPE132F104 | Capac | citor | | | |
| | TRANSISTOR | | | | | |
| Q528 | 2SC3311A | Trans | istor | | | |
| | ıc | | | | | |
| IC506 | TLP832 | Photo | interrupter | | | |
| | OTHERS | | | | | |
| | PBAPX2936045 | HOPE | ER HOME | SENS | OR Board | |
| CN529 | 5597-04APB | Conne | ector 4P | | | |
| CN530 | PBB7B-PH | | actor 7P | | | |

DOCUMENT DETECTOR Board

| Ref No. | Part No. | Description |
|---------|--------------|-------------------------|
| | CAPACITOR | |
| C570 | RPE132F104 | Capacitor |
| | ıc | |
| IC511 | RPR359FM | IC |
| | OTHERS | |
| | PBAPX2956045 | DOCUMENT DETECTOR Board |
| | LH-5-2 | Spacer |
| CN537 | 5597-04APB | Connector 4P |
| CN538 | PBS4B-PH | Connector 4P |

DOCUMENT COVER SENSOR Board

| Ref No. | Part No. | Description |
|---------|--------------|----------------------|
| | RESISTORS | _ |
| R521 | ERDS2TJ331 | C 330, J, 1/4W |
| R522 | ERDS2TJ103 | C 10k, J, 1/4W |
| | CAPACITOR | |
| C529 | RPE132F104 | Capacitor |
| | TRANSISTOR | |
| O526 | 2SC3311A | Transistor |
| | ic | |
| IC504 | TLP832 | PhotoInterrupter |
| | OTHERS | |
| | PBAPX2976045 | DOCUMENT COVER Board |
| CN527 | | |
| CN027 | PBB4B-PH | Connector 4P |

RELAY (BACK) Board

| Ref No. | Part No. | Description |
|---------|--------------|--------------------|
| | RESISTORS | |
| R519 | ERDS2TJ331 | C 330, J, 1/4W |
| R520 | ERDS2TJ103 | C 10k, J, 1/4W |
| | CAPACITORS | |
| C528 | RPE132F104 | Capacitor |
| C582 | RPE132F104 | Capacitor |
| C583 | RPE132F104 | Capacitor |
| C584 | RPE132F104 | Capacitor |
| C585 | RPE132F104 | Capacitor |
| C586 | RPE132F104 | Capacitor |
| | TRANSISTOR | |
| Q525 | 2SC3311A | Transistor |
| | ic | |
| IC503 | TLP832 | Photointerrupter |
| | OTHERS | |
| | PBAPX2996045 | RELAY (BACK) Board |
| CN501 | 28FMZ-BT | Connector 28P |
| CN502 | PBILS8PS2T2 | Connector 8P |
| CN503 | DF11-12DP2DS | Connector 12P |
| CN504 | 26FMZ-ST | Connector 26P |
| CN505 | DF11-24DP2DS | Connector 24P |
| CN513 | S6B-PH | Connector 6P |
| CN515 | S5B-PH | Connector 5P |
| CN522 | DF1116DP2DSA | Connector 16P |
| | | |
| | | |
| | | |
| | | |
| | 1 | |
| L | ł | |

POWER Board

| Ref No. | Part No. | | Description | | | | |
|--------------|----------------------------|-------|----------------|----------|--------------|----------|--|
| | RESISTORS | | | | | | |
| R801 | ERDS1TJ105 | С | 1000k, | J, | 1/2W | | |
| R802 | ERDS1TJ184 | C | 1000k, | J, | 1/2W | | |
| R803 | ERDS1TJ184 | C | 180k, | J, | 1/2W | | |
| R806 | ERDS2TJ333 | C | 33k, | J, | 1/4W | | |
| R809 | MPC710.18K | Resis | | | 4 (134 4 | | |
| FIB10 | ERDS2TJ5R6 | C | 5.6, | J, | 1/4W | | |
| R811 | ERDS1TJ330 | C | 33, | J, | 1/2W | | |
| R812 | ERDS2TJ222 | C | 2.2k, | ٦, | 1/4W | | |
| R813 | ERG2SJ100P | M | 10, | J, | 2W | | |
| R815 | EROS2TKF4701 | M | 4.70k, 10k, | F, | 1/4W 1/4W | | |
| R816 R817 | ERDS2TJ103 ERDS2TJ333 | C | 33k, | J, J, | 1/4VV | | |
| R818 | ERDS2TJ681 | C | 680, | J, | 1/4W | | |
| R820 | ERG2SJ150P | м | 15. | J, | 2W | | |
| R821 | ERG28J104 | lй | 100k, | J, | 2W | | |
| R825 | ERDS1TJ473 | l c | 47k, | J, | 1/2W | | |
| R826 | ERDS1TJ473 | Č | 47k. | J, | 1/2W | | |
| R832 | ERDS2TJ103 | c | 10k, | J, | 1/4W | | |
| R833 | ERDS2TJ103 | C | 10k, | J, | 1/4W | | |
| R841 | ERDS1TJ472 | C | 4.7k, | J, | 1/2W | | |
| R843 | ER0S2TKF9101 | М | 9.10k, | F, | 1/4W | | |
| R844 | ER0S2TKF1001 | М | 1k, | F, | 1/4W | | |
| R845 | ERDS2TJ102 | C | 1k, | J, | 1/4W | | |
| R846 | ERDS2TJ121 | C | 120, | J, | 1/4W | | |
| R847 | ERDS2TJ102 | C | 1k, | J, | 1/4W | | |
| F1848 | ERDS2TJ121 | C | 120, | J, | 1/4W | | |
| R861 | MPC710,1K | Resi | | | | | |
| R852 | ERDS2TJ272 | C | 2.7k, | J, | 1/4W | | |
| R853 | ERDS2TJ103 | C | 10k, | J, | 1/4W | | |
| R854 | ERDS2TJ121 | C | 120, | J, | 1/4W | | |
| R855 | ERDS2TJ103 | C | 10k, | J, | 1/4W | | |
| R856 | EROS2TKF3301 | M | 3.30k, | F, | 1/4W 1/4W | | |
| R857 R858 | EROS2TKF1101 ERDS2TJ330 | C | 1.10k, | F, | 1/4W | | |
| R859 | ERDS21J330 ERDS2TJ390 | ď | 33, 39, | J, J, | 1/4W | | |
| R861 | ERX12SJR33 | М | 33, | J, | 1/2W | | |
| R862 | EROS2TKF4701 | M | 4.70k, | F, | 1/4W | | |
| R863 | ER0S2TKF1001 | M | 1k. | F. | 1/4W | | |
| R871 | ERDS2TJ470 | C | 47, | J, | 1/4W | | |
| R872 | ERDS2TJ103 | C | 10k, | J, | 1/4W | | |
| R873 | ERDS2TJ332 | C | 3.3k, | J, | 1/4W | | |
| R874 | ERG1SJ470P | М | 47, | J, | 1W | | |
| R875 | ERDS2TJ472 | C | 4.7k, | J, | 1/4W | | |
| R876 | ERDS2TJ120 | C | 12, | J, | 1/4W | | |
| F1881 | ERX12SJR33 | M | 3 3, | J, | 1/2W | | |
| R882 | ER0S2TKF1001 | M | 1k, | F, | 1/4W | | |
| R883 | ER0S2TKF4701 | М | 4.70k, | F, | 1/4W | | |
| | CAPACITORS | | | | | | |
| C801 | PA224-ZC | P | 0.22, | | AC 125V | Δ | |
| C802 | ECKATS222ME | Capa | acitor | | | Ţ | |
| C803 | ECKATS222ME | Capa | acitor | | | Δ | |
| C804 | PA224-ZC | Р | 0.22, | | AC 125V | Δ | |
| C805 | 260SXR470-30 | E | 470, | | 250V | Δ | |
| C806 | 250SXR470-30 | Ε | 470, | | 250V | Δ | |
| C807 | 50YXF10M | C | 10, | | 50V | | |
| C809 | 50YXF47M | E | 47, | | 50V | | |
| C810 | ECQB1H391JF3 | Р | 390p, | J, | 50V | | |
| C811 | ECQV1H224JL | P | 0.22, | J, | 50V | | |
| C813 | ECKATS103MF | Capa | acitor | | | Δ | |
| C814 | ECQB1H682JF3 | P | 6800p, | J, | 50V | | |
| C815 | ECQB1H473JF3 | Р | 0.047, | J, | 50V | | |
| C816 | ECA2GHG4R7 | E | 4.7, | | 35V | | |
| C817 | ECQE4103KF3 | | acitor | | | | |
| C818 | ECQE6154KF | | acitor | | | | |
| C825 | ECA1HHG2R2 | Ε | 2.2, | | 50V | | |
| C830 | ECKD3A101KB | C | 100p, | K, | 1kV | | |
| C831 | ECQV1H104JL3 | P | 0.1, | J, | 50V | | |
| C833 C841 | 35YXF220MT8 | С | 220, | | 35V | | |
| | 35YXF2200MKC | İΕ | 2200, | | 35V | | |

| Ref No. | Part No. | Description | |
|-------------------------|--------------------------|------------------------|----------------------|
| C843 | ECQV1H104JL3 | P 0.1, J, 50V | |
| C844 | ECQV1H104JL3 | P 0.1, J, 50V | |
| C851 | 35YXF2200MKC | E 2200, 35V | |
| C852 | 10YXF1000MT8 | C 1000, 10V | |
| C853 | ECQB1H472JF | P 4700p, J, 50V | |
| C854 | ECKD3A101KB | C 100p, K, 1kV | |
| C855 | ECQV1H104JL3 | P 0.1, J, 50V | |
| C856 | 35YXF220MT8 | C 220, 35V | |
| C857 | 35YXF220MT8 | C 220, 35V | |
| C858 | 10YXF1000MT8 | C 1000, 10V | |
| C859 | ECKD3A221KBP | C 220p, K, 1kV | |
| C870 | 50YXF33M | E 33, 50V | |
| C871 | 50YXF10M | E 10, 50V | |
| C881 | 35YXF220MT8 | C 220, 35V | |
| C882 | 10YXF1000MT8 | C 1000, 10V | |
| C884 | ECKD3A221KBP | C 220p, K, 1kV | |
| C886 | 35YXF220MT8 | C 220, 35V | |
| | COILS | | A |
| L801 | ELF15N017A | Coll | A |
| L802 | ELF15N017A | Coll | △ △ |
| L803 | ETQR37C006A | FL Transformer | |
| L842 | AB4-2-4.5W | Amorphous Bead | |
| L843 | AB4-2-4.5W | Amorphous Bead | |
| L851 | HK10S080-121 | Common-mode Choke Coil | |
| L852 | RCH110-221K | Choke Coll | |
| L881 | RCH110-221K | Choke Coil | |
| | DIODES | | \wedge |
| D801 | D3SBA60-4101 | Brige Diode | △ |
| D804 | ERA91-02 | Diode | |
| D806 | RD27ESAB4 | Zener Diode | |
| D807 | ERA91-02 | Diode | |
| D808 | ERB44-10G1 | Diode | |
| D810 | RD5.1ESAB2 | Zener Diode | |
| D816 | ERB44-10G1 | Diode | |
| D833 D841 | MA165 10DL2CZ47A | Diode | |
| D843 | MA165 | Diode | |
| D844 | RD27ESAB4 | Zener Diode | |
| D860 | 1GWJ43 | Diode | |
| D851 | YG802C06R | Diode | |
| D853 | MA165 | Diode | |
| D854 | RD5.1ESAB2 | Zener Diode | |
| D855 | MA165 | Diode | |
| D856 | RD12ESAB3 | Zener Dlode | |
| D857 | MA165 | Diode | |
| D858 | MA165 | Diode | |
| D859 | RD5.1ESAB2 | Zener Diode | |
| D863 | MA165 | Diode | |
| D864 | RD12ESAB3 | Zener Diode | |
| D866 | MA165 | Diode | |
| D870 | MA165 | Diode | |
| D871 | MA165 | Diode | |
| D872 | D1N60 | Diode | |
| D881 | 1GWJ43 | Diode | |
| D882 | RD5.1ESAB2 | Zener Diode | |
| D885 | MA165 | Diode | |
| D886 D887 | MA165 RD5.1ESAB2 | Diode Zener Diode | |
| | TRANSISTORS | | |
| | TRANSISTORS | Davis MOO FET | Δ |
| Q801 | 2SK2651-01MR | Power MOS FET | 443 |
| Q851 | 2SJ175 | Power MOS FET | |
| Q852 | 2SD1423A-SR | Transistor | |
| Q870 | 2SC3311A | Transistor | |
| | ICs | 1 | |
| | FA5311PA | IC | |
| ICB01 | | 10 | A |
| IC801 IC802 IC831 | MK1210-4105 UPC2933HF | IC IC | Δ |

POWER Board (continued)

| POWER Board (continued) | | | |
|-------------------------|--------------|---|--------------|
| Ref No. | Part No. | Description | |
| IC832 | UPC1944J | Shunt Regulator | |
| IC841 | HA17431PA | Shunt Regulator | |
| 1C851 | MC34063AP1 | Switching Regulator | |
| 1C852 | NJM78M05FA | IC | |
| IC853 | NJM2360AD | IC | • |
| IC8B1 | NJM2360AD | IC | |
| IC882 | NJM79M05FA | IC | |
| | OTHERS | | |
| | PBAPX3276045 | POWER Board | Δ |
| | PBMYA0011Z | Heat Sink | |
| ľ | TJC6320 | Fuse Holder | |
| | FA35-9051 | Insulate Sheft | |
| | PAUX37802 | Ground Lug | |
| | PH-0124C-M | Heat Sink | |
| | XNG3BFX | Nut | |
| | XYN3+BJFX | Screw | |
| | XYN3+J10FX | Screw | |
| CN801 | B2P3-VH | Connector 2P | |
| CN843 | B04B-XASK-1 | Connector 4P | |
| CN851 | B09B-XASK-1 | Connector 9P Connector 3P | |
| CN871 | взв-ен | T + + + + + + + + + + + + + + + + + + + | A |
| F801 | PB2153.15 | Fuse | |
| F841 | PB215004 | Fuse | <u>د د د</u> |
| PC801 | PC123FY2 | Photocoupler | <u> </u> |
| PC802 | PC123FY2 | Photocoupler | <u> </u> |
| SA801 | DSAZR2-362M | Surge Absorber | |
| T801 | ETS29AH1A5AC | FL Transformer | ^ |
| TH801 | N100L12325JF | Resistor | Δ |
| Z851 | ICP-N50T104 | IC Protector | |
| Z852 | ICP-N50T104 | IC Protector | |
| Z861 | ICP-N50T104 | IC Protector | A |
| ZNR801 | 470NS10D-K0 | Varistor | <u> </u> |
| ZNR802 | 240NS10D-301 | Variator | Δ |
| ZNR803 | 240NS10D-301 | Varistor | △ |
| ZNR804 | 240NS10D-301 | Varistor | 4444 |
| ZNR806 | 470NS10D-K0 | Varistor | Δ |

